Dynamic causal modelling

NeuroImage 19, 1273-1302 DOI: 10.1016/s1053-8119(03)00202-7

Citation Report

IF

ARTICLE

CITATIONS

1	Information Mining in Brain Data. , 0, , .		0
2	Neuromuscular transmission in neonatal mice injected with serum globulin of myasthenia gravis patients. Neurology, 1982, 32, 12-12.	1.5	10
3	The relationship between organisational culture and its national culture: a case study. International Journal of Human Resources Development and Management, 2002, 2, 78.	0.0	8
4	Functional connectivity: studying nonlinear, delayed interactions between BOLD signals. NeuroImage, 2003, 20, 962-974.	2.1	86
5	A Dynamic Causal Modeling Study on Category Effects: Bottom–Up or Top–Down Mediation?. Journal of Cognitive Neuroscience, 2003, 15, 925-934.	1.1	140
6	Altered cortical visual processing in PD with hallucinations. Neurology, 2004, 63, 1409-1416.	1.5	194
7	Where Bottom-up Meets Top-down: Neuronal Interactions during Perception and Imagery. Cerebral Cortex, 2004, 14, 1256-1265.	1.6	375
8	Neuroanatomical Markers for Dyslexia: A Review of Dyslexia Structural Imaging Studies. Neuroscientist, 2004, 10, 362-371.	2.6	153
9	Functional Brain Mapping of Extraversion and Neuroticism: Learning From Individual Differences in Emotion Processing. Journal of Personality, 2004, 72, 1105-1132.	1.8	213
10	On the role of general system theory for functional neuroimaging. Journal of Anatomy, 2004, 205, 443-470.	0.9	136
11	Sharing neuroimaging studies of human cognition. Nature Neuroscience, 2004, 7, 473-481.	7.1	77
12	Self-regulation of local brain activity using real-time functional magnetic resonance imaging (fMRI). Journal of Physiology (Paris), 2004, 98, 357-373.	2.1	226
13	Biophysical models of fMRI responses. Current Opinion in Neurobiology, 2004, 14, 629-635.	2.0	99
14	Reward representations and reward-related learning in the human brain: insights from neuroimaging. Current Opinion in Neurobiology, 2004, 14, 769-776.	2.0	1,289
15	Online Retrieval, Processing, and Visualization of Primate Connectivity Data From the CoCoMac Database. Neuroinformatics, 2004, 2, 127-144.	1.5	246
16	Perspectives on the Estimation of Effective Connectivity From Neuroimaging Data. Neuroinformatics, 2004, 2, 169-174.	1.5	12
17	"Dynamic" Connectivity in Neural Systems. Neuroinformatics, 2004, 2, 205-226.	1.5	96
18	Relating fMRI and PET Signals to Neural Activity by Means of Large-Scale Neural Models. Neuroinformatics, 2004, 2, 251-266.	1.5	28

#	Article	IF	CITATIONS
19	Occipital–parietal interactions during shifts of exogenous visuospatial attention: trial-dependent changes of effective connectivity. Magnetic Resonance Imaging, 2004, 22, 1477-1486.	1.0	30
20	Spatiotemporal wavelet resampling for functional neuroimaging data. Human Brain Mapping, 2004, 23, 1-25.	1.9	99
22	New approaches for exploring anatomical and functional connectivity in the human brain. Biological Psychiatry, 2004, 56, 613-619.	0.7	206
23	Comparing dynamic causal models. NeuroImage, 2004, 22, 1157-1157.	2.1	4
24	Organization, development and function of complex brain networks. Trends in Cognitive Sciences, 2004, 8, 418-425.	4.0	1,864
25	Variation of BOLD hemodynamic responses across subjects and brain regions and their effects on statistical analyses. NeuroImage, 2004, 21, 1639-1651.	2.1	852
26	Comparing dynamic causal models. NeuroImage, 2004, 22, 1157-1172.	2.1	809
27	Spatiotemporal analysis of event-related fMRI data using partial least squares. NeuroImage, 2004, 23, 764-775.	2.1	305
28	Modelling functional integration: a comparison of structural equation and dynamic causal models. NeuroImage, 2004, 23, S264-S274.	2.1	294
29	Integrated wavelet processing and spatial statistical testing of fMRI data. NeuroImage, 2004, 23, 1472-1485.	2.1	67
30	Investigating the Functional Role of Callosal Connections with Dynamic Causal Models. Annals of the New York Academy of Sciences, 2005, 1064, 16-36.	1.8	50
31	About being BOLD. Brain Research Reviews, 2005, 50, 229-243.	9.1	112
33	Bayesian Population Modeling of Effective Connectivity Lecture Notes in Computer Science, 2005, 19, 39-51.	1.0	1
34	The Role of Anterior Cingulate Cortex in Working Memory is Shaped by Functional Connectivity. Journal of Cognitive Neuroscience, 2005, 17, 1026-1042.	1.1	80
35	What can Functional Neuroimaging Tell the Experimental Psychologist?. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2005, 58, 193-233.	2.3	272
36	Investigating the neural basis for functional and effective connectivity. Application to fMRI. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1093-1108.	1.8	98
37	Bilinear dynamical systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 983-993.	1.8	57
38	Condition-dependent functional connectivity: syntax networks in bilinguals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 921-935.	1.8	60

#	Article	IF	CITATIONS
39	Fusing EEG and fMRI based on a bottom-up model: inferring activation and effective connectivity in neural masses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1025-1041.	1.8	57
40	Dynamics of a neural system with a multiscale architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1051-1074.	1.8	170
41	The chronoarchitecture of the cerebral cortex. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 733-750.	1.8	92
42	Brain connectivity at different time-scales measured with EEG. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1015-1024.	1.8	139
43	Stochastic models of neuronal dynamics. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1075-1091.	1.8	64
44	A graphical approach for evaluating effective connectivity in neural systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 953-967.	1.8	128
45	Shifts of Effective Connectivity within a Language Network during Rhyming and Spelling. Journal of Neuroscience, 2005, 25, 5397-5403.	1.7	158
46	Modeling Brain Responses. International Review of Neurobiology, 2005, 66, 89-124.	0.9	21
47	Neural Modeling and Functional Brain Imaging: The Interplay between the Dataâ€Fitting and Simulation Approaches. International Review of Neurobiology, 2005, 66, 267-290.	0.9	10
48	Functional Connectivity Analysis in Magnetoencephalography. International Review of Neurobiology, 2005, 68, 173-195.	0.9	33
49	Activation detection on FMRI time series using hidden Markov model. , 0, , .		4
50	Dissociating Reading Processes on the Basis of Neuronal Interactions. Journal of Cognitive Neuroscience, 2005, 17, 1753-1765.	1.1	198
51	Attentional integration between anatomically distinct stimulus representations in early visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14925-14930.	3.3	36
52	A theory of cortical responses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 815-836.	1.8	3,390
53	Heading for data-driven measures of effective connectivity in functional MRI. , 0, , .		2
54	Models of Brain Function in Neuroimaging. Annual Review of Psychology, 2005, 56, 57-87.	9.9	165
55	Mapping directed influence over the brain using Granger causality and fMRI. NeuroImage, 2005, 25, 230-242.	2.1	919
56	Automated analysis of meta-analysis networks. Human Brain Mapping, 2005, 25, 174-184.	1.9	43

#	Article	IF	CITATIONS
57	Brain dynamics during natural viewing conditions—A new guide for mapping connectivity in vivo. NeuroImage, 2005, 24, 339-349.	2.1	170
58	Evaluating frequency-wise directed connectivity of BOLD signals applying relative power contribution with the linear multivariate time-series models. NeuroImage, 2005, 25, 478-490.	2.1	28
59	Modelling event-related responses in the brain. NeuroImage, 2005, 25, 756-770.	2.1	275
60	An arteriolar compliance model of the cerebral blood flow response to neural stimulus. NeuroImage, 2005, 25, 1100-1111.	2.1	124
61	The Human Connectome: A Structural Description of the Human Brain. PLoS Computational Biology, 2005, 1, e42.	1.5	2,641
62	Context–dependent interactions of left posterior inferior frontal gyrus in a local visual search task unrelated to language. Cognitive Neuropsychology, 2005, 22, 292-305.	0.4	17
63	Estimating brain functional connectivity with sparse multivariate autoregression. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 969-981.	1.8	267
64	The neural basis of hallucinations and delusions. Comptes Rendus - Biologies, 2005, 328, 169-175.	0.1	200
65	Functional connectivity and pain: How effectively connected is your brain?â~†. Pain, 2005, 116, 173-174.	2.0	19
66	Visibility Reflects Dynamic Changes of Effective Connectivity between V1 and Fusiform Cortex. Neuron, 2005, 46, 811-821.	3.8	217
67	Dissociable Controlled Retrieval and Generalized Selection Mechanisms in Ventrolateral Prefrontal Cortex. Neuron, 2005, 47, 907-918.	3.8	802
68	Conditional correlation as a measure of mediated interactivity in fMRI and MEG/EEG. IEEE Transactions on Signal Processing, 2005, 53, 3503-3516.	3.2	32
69	Hysterical conversion and brain function. Progress in Brain Research, 2005, 150, 309-329.	0.9	153
70	Empathizing with basic emotions: Common and discrete neural substrates. Social Neuroscience, 2006, 1, 364-384.	0.7	169
71	An analytic solution of the reentrant Poisson master equation and its application in the simulation of large groups of spiking neurons. , 2006, , .		1
72	Network analysis of mild cognitive impairment. NeuroImage, 2006, 29, 1252-1259.	2.1	28
73	Identification of large-scale networks in the brain using fMRI. NeuroImage, 2006, 29, 1231-1243.	2.1	140
74	Dynamic physiological modeling for functional diffuse optical tomography. NeuroImage, 2006, 30, 88-101.	2.1	105

#	Article	IF	CITATIONS
75	Cerebral pathways in processing of affective prosody: A dynamic causal modeling study. NeuroImage, 2006, 30, 580-587.	2.1	218
76	A Bayesian approach to modeling dynamic effective connectivity with fMRI data. NeuroImage, 2006, 30, 794-812.	2.1	29
77	The multiscale character of evoked cortical activity. NeuroImage, 2006, 30, 1230-1242.	2.1	17
78	Dynamic causal modeling of evoked responses in EEG and MEG. NeuroImage, 2006, 30, 1255-1272.	2.1	563
79	Large-scale neural models and dynamic causal modelling. NeuroImage, 2006, 30, 1243-1254.	2.1	94
80	A method to produce evolving functional connectivity maps during the course of an fMRI experiment using wavelet-based time-varying Granger causality. NeuroImage, 2006, 31, 187-196.	2.1	132
81	BOLD responses to stimuli: Dependence on frequency, stimulus form, amplitude, and repetition rate. NeuroImage, 2006, 31, 585-599.	2.1	48
82	Dynamic causal modelling of evoked responses in EEG/MEG with lead field parameterization. NeuroImage, 2006, 30, 1273-1284.	2.1	209
83	Partial correlation for functional brain interactivity investigation in functional MRI. NeuroImage, 2006, 32, 228-237.	2.1	450
84	Learning functional structure from fMR images. NeuroImage, 2006, 31, 1601-1613.	2.1	74
85	Causal visual interactions as revealed by an information theoretic measure and fMRI. NeuroImage, 2006, 31, 1051-1060.	2.1	61
86	Mapping anatomical correlations across cerebral cortex (MACACC) using cortical thickness from MRI. NeuroImage, 2006, 31, 993-1003.	2.1	508
87	Attention does not modulate neural responses to social stimuli in autism spectrum disorders. Neurolmage, 2006, 31, 1614-1624.	2.1	182
88	Multi-resolution Bayesian regression in PET dynamic studies using wavelets. NeuroImage, 2006, 32, 111-121.	2.1	38
89	Primary visual cortex activation on the path of apparent motion is mediated by feedback from hMT+/V5. NeuroImage, 2006, 32, 1308-1316.	2.1	113
90	Bayesian estimation of cerebral perfusion using a physiological model of microvasculature. NeuroImage, 2006, 33, 570-579.	2.1	111
91	Weaker top–down modulation from the left inferior frontal gyrus in children. NeuroImage, 2006, 33, 991-998.	2.1	89
92	Optimal EPI parameters for reduction of susceptibility-induced BOLD sensitivity losses: A whole-brain analysis at 3ÅT and 1.5ÅT. NeuroImage, 2006, 33, 493-504.	2.1	444

#	Article	IF	CITATIONS
93	fMRI MODELS OF DENDRITIC AND ASTROCYTIC NETWORKS. Journal of Integrative Neuroscience, 2006, 05, 273-326.	0.8	17
94	Synaptic Plasticity and Dysconnection in Schizophrenia. Biological Psychiatry, 2006, 59, 929-939.	0.7	755
95	Cerebral processing of linguistic and emotional prosody: fMRI studies. Progress in Brain Research, 2006, 156, 249-268.	0.9	233
96	Principles of Neuronal Integration and Defense Mechanisms: Neuropsychoanalytic Hypothesis. Neuropsychoanalysis, 2006, 8, 69-84.	0.1	30
	Task and Content Modulate Amygdala-Hippocampal Connectivity in Emotional Retrieval. Neuron, 2006,		
97	49, 631-638.	3.8	220
	Resolving Emotional Conflict: A Role for the Rostral Anterior Cingulate Cortex in Modulating		
98	Activity in the Amygdala. Neuron, 2006, 51, 871-882.	3.8	1,180
	Assessing the working memory network: Studies with functional magnetic resonance imaging and		
99	structural equation modeling. Neuroscience, 2006, 139, 91-103.	1.1	94
	Beyond mind-reading: multi-voxel pattern analysis of fMRI data. Trends in Cognitive Sciences, 2006, 10,		
100	424-430.	4.0	2,083
101	The empathic brain: how, when and why?. Trends in Cognitive Sciences, 2006, 10, 435-441.	4.0	1 900
101	The empatric brain. now, when and why!. Thends in Cognitive Sciences, 2006, 10, 455-441.	4.0	1,308
102	Constituent structure and the binding problem. Behavioral and Brain Sciences, 2006, 29, 81-82.	0.4	ο
102		0.4	U
103	On the unproductiveness of language and linguistics. Behavioral and Brain Sciences, 2006, 29, 82-84.	0.4	0
100			
104	Vector symbolic architectures are a viable alternative for Jackendoff's challenges. Behavioral and	0.4	20
	Brain Sciences, 2006, 29, 78-79.		
105	An alternative model of sentence parsing explains complexity phenomena more comprehensively without problems of localist encoding. Behavioral and Brain Sciences, 2006, 29, 87-88.	0.4	0
	without problems of localist encouning. Benavioral and Brain Sciences, 2006, 29, 67-66.		
106	How anchors allow reusing categories in neural composition of sentences. Behavioral and Brain Sciences, 2006, 29, 73-74.	0.4	1
	Sciences, 2000, 29, 73774.		
107	Comparing the neural blackboard and the temporal synchrony-based SHRUTI architectures. Behavioral and Brain Sciences, 2006, 29, 84-86.	0.4	3
108	Can neural models of cognition benefit from the advantages of connectionism?. Behavioral and Brain Sciences, 2006, 29, 86-87.	0.4	1
109	The problem with using associations to carry binding information. Behavioral and Brain Sciences, 2006, 29, 74-75.	0.4	2
110	Has the brain evolved to answer "binding questions―or to generate likely hypotheses about complex and continuously changing environments?. Behavioral and Brain Sciences, 2006, 29, 75-76.	0.4	Ο

		CITATION R	EPORT	
#	Article		IF	CITATIONS
111	How neural is the neural blackboard architecture?. Behavioral and Brain Sciences, 2006	o, 29, 72-73.	0.4	0
112	Neural circuits, matrices, and conjunctive binding. Behavioral and Brain Sciences, 2006	, 29, 80-80.	0.4	1
113	Blackboards in the brain. Behavioral and Brain Sciences, 2006, 29, 81-81.		0.4	1
114	On the structural ambiguity in natural language that the neural architecture cannot de Behavioral and Brain Sciences, 2006, 29, 71-72.	al with.	0.4	1
115	Conscious cognition and blackboard architectures. Behavioral and Brain Sciences, 200	6, 29, 70-71.	0.4	7
117	Will the neural blackboard architecture scale up to semantics?. Behavioral and Brain Sc 29, 77-78.	iences, 2006,	0.4	0
118	From neural dynamics to true combinatorial structures. Behavioral and Brain Sciences, 88-104.	2006, 29,	0.4	2
119	Engineering the brain. Behavioral and Brain Sciences, 2006, 29, 76-77.		0.4	0
120	Distributed neural blackboards could be more attractive. Behavioral and Brain Sciences 79-80.	;, 2006, 29,	0.4	0
122	An update on functional neuroimaging of parkinsonism and dystonia. Current Opinion 2006, 19, 412-419.	in Neurology,	1.8	35
123	An analytic solution of the reentrant Poisson master equation and its application in the large groups of spiking neurons. , 0, , .	simulation of		1
124	Neural blackboard architectures of combinatorial structures in cognition. Behavioral ar Sciences, 2006, 29, 37-70.	nd Brain	0.4	144
125	The effect of artifacts on dependence measurement in fMRI. Magnetic Resonance Imag 401-409.	şing, 2006, 24,	1.0	12
126	Analyzing and shaping human attentional networks. Neural Networks, 2006, 19, 1422	-1429.	3.3	181
127	Functional neuroimaging findings on the human perception of illusory contours. Neuro Biobehavioral Reviews, 2006, 30, 595-612.	oscience and	2.9	115
128	Doing cognitive neuroscience: a third way. SynthÃ^se, 2006, 153, 377-391.		0.6	49
129	Localizing complex neural circuits with MEG data. Cognitive Processing, 2006, 7, 53-59).	0.7	4
130	Simultaneous EEG–fMRI. Neuroscience and Biobehavioral Reviews, 2006, 30, 823-83	8.	2.9	232

		IKEPOKI	
#	Article	IF	Citations
131	fMRI neuroinformatics. IEEE Engineering in Medicine and Biology Magazine, 2006, 25, 112-119.	1.1	11
132	Method for multimodal analysis of independent source differences in schizophrenia: Combining gray matter structural and auditory oddball functional data. Human Brain Mapping, 2006, 27, 47-62.	1.9	230
133	A Bayesian approach to determining connectivity of the human brain. Human Brain Mapping, 2006, 27, 267-276.	1.9	137
134	A method for multitask fMRI data fusion applied to schizophrenia. Human Brain Mapping, 2006, 27, 598-610.	1.9	149
135	Nonlinear local electrovascular coupling. I: A theoretical model. Human Brain Mapping, 2006, 27, 896-914.	1.9	67
136	Testing effective connectivity changes with structural equation modeling: What does a bad model tell us?. Human Brain Mapping, 2006, 27, 935-947.	1.9	34
137	Design and analysis of fMRI studies with neurologically impaired patients. Journal of Magnetic Resonance Imaging, 2006, 23, 816-826.	1.9	123
138	Models of Functional Neuroimaging Data. Current Medical Imaging, 2006, 2, 15-34.	0.4	15
139	Genetic Models of Absence Epilepsy in the Rat. , 2006, , 233-248.		58
140	Computational Inference of Neural Information Flow Networks. PLoS Computational Biology, 2006, 2, e161.	1.5	124
141	The Medial Temporal Lobe Distinguishes Old from New Independently of Consciousness. Journal of Neuroscience, 2006, 26, 5835-5839.	1.7	73
142	Predictive Codes for Forthcoming Perception in the Frontal Cortex. Science, 2006, 314, 1311-1314.	6.0	480
143	Connectivity Analysis of Human Functional MRI Data: From Linear to Nonlinear and Static to Dynamic. Lecture Notes in Computer Science, 2006, , 17-24.	1.0	7
145	Investigating audiovisual integration of emotional signals in the human brain. Progress in Brain Research, 2006, 156, 345-361.	0.9	97
146	Neural activity in speech-sensitive auditory cortex during silence. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 189-194.	3.3	125
147	Dynamic Bayesian Networks (DBNs) Demonstrate Impaired Brain Connectivity During Performance of Simultaneous Movements in Parkinson's Disease','','','','','','','',''964','967',. , 0, , .		2
148	Weight Lifting in the Human Brain. Journal of Neuroscience, 2006, 26, 10327-10328.	1.7	1
149	Repetitive Transcranial Magnetic Stimulation-Induced Changes in Sensorimotor Coupling Parallel Improvements of Somatosensation in Humans. Journal of Neuroscience, 2006, 26, 1945-1952.	1.7	85

#	ARTICLE	IF	Citations
150	Music and the brain: disorders of musical listening. Brain, 2006, 129, 2533-2553.	3.7	264
151	The Cingulate as a Catalyst Region for Global Dysfunction: a Dynamical Modelling Paradigm. Cerebral Cortex, 2006, 16, 1212-1224.	1.6	6
152	Two Distinct Neural Mechanisms for Category-selective Responses. Cerebral Cortex, 2006, 16, 437-445.	1.6	174
153	Evoked brain responses are generated by feedback loops. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20961-20966.	3.3	241
154	Multiple Interacting Instantiations of Neuronal Dynamics (MIIND): a Library for Rapid Prototyping of Models in Cognitive Neuroscience. Neural Networks (IJCNN), International Joint Conference on, 2007, ,	0.0	5
155	Realistically Coupled Neural Mass Models Can Generate EEG Rhythms. Neural Computation, 2007, 19, 478-512.	1.3	145
156	Interhemispheric Integration of Visual Processing during Task-Driven Lateralization. Journal of Neuroscience, 2007, 27, 3512-3522.	1.7	143
157	Parieto-Frontal Connectivity during Visually Guided Grasping. Journal of Neuroscience, 2007, 27, 11877-11887.	1.7	182
158	Altered Effective Connectivity within the Language Network in Primary Progressive Aphasia. Journal of Neuroscience, 2007, 27, 1334-1345.	1.7	129
159	The sleeping brain, the states of consciousness, and the human intelligence. Behavioral and Brain Sciences, 2007, 30, 159-159.	0.4	1
160	Hierarchical Processing of Auditory Objects in Humans. PLoS Computational Biology, 2007, 3, e100.	1.5	107
161	How Does Our Brain Constitute Defense Mechanisms? First-Person Neuroscience and Psychoanalysis. Psychotherapy and Psychosomatics, 2007, 76, 141-153.	4.0	98
162	fMRI Brain-Computer Interface: A Tool for Neuroscientific Research and Treatment. Computational Intelligence and Neuroscience, 2007, 2007, 1-10.	1.1	159
163	Individual Differences in Sentence Comprehension: A Functional Magnetic Resonance Imaging Investigation of Syntactic and Lexical Processing Demands. Journal of Cognitive Neuroscience, 2007, 19, 1950-1963.	1.1	103
164	Feature- and Object-based Attentional Modulation in the Human Auditory "Where―Pathway. Journal of Cognitive Neuroscience, 2007, 19, 1721-1733.	1.1	37
165	Distinct and Convergent Visual Processing of High and Low Spatial Frequency Information in Faces. Cerebral Cortex, 2007, 17, 2713-2724.	1.6	92
166	Assessing the State Space of the Brain with fMRI: An Integrative View of Current Methods. Pharmacopsychiatry, 2007, 40, S85-S92.	1.7	8
167	A short history of SPM. , 2007, , 3-9.		14

#	Article	IF	CITATIONS
168	Effective Connectivity within the Distributed Cortical Network for Face Perception. Cerebral Cortex, 2007, 17, 2400-2406.	1.6	429
169	What about the neural basis of crystallized intelligence?. Behavioral and Brain Sciences, 2007, 30, 159-161.	0.4	11
170	Piece of mind; a full systems approach is required. Behavioral and Brain Sciences, 2007, 30, 167-168.	0.4	2
171	Right answer to the wrong question: A reply to Jung and Haier. Behavioral and Brain Sciences, 2007, 30, 170-171.	0.4	3
172	Intelligence? What intelligence?. Behavioral and Brain Sciences, 2007, 30, 155-156.	0.4	17
173	Beautiful minds (i.e., brains) and the neural basis of intelligence. Behavioral and Brain Sciences, 2007, 30, 174-178.	0.4	23
174	Functional connectivity in the brain and human intelligence. Behavioral and Brain Sciences, 2007, 30, 169-170.	0.4	1
175	Inherent limits on the identification of a neural basis for general intelligence. Behavioral and Brain Sciences, 2007, 30, 154-155.	0.4	137
176	The neuronal basis of intelligence: A riddle, wrapped in a mystery?. Behavioral and Brain Sciences, 2007, 30, 172-173.	0.4	0
177	Selecting between intelligent options. Behavioral and Brain Sciences, 2007, 30, 155-155.	0.4	6
178	Intelligence and reasoning are not one and the same. Behavioral and Brain Sciences, 2007, 30, 163-164.	0.4	0
179	Intelligence, hormones, sex, brain size, and biochemistry: It all needs to have equal causal standing before integration is possible. Behavioral and Brain Sciences, 2007, 30, 164-165.	0.4	3
180	Plasticity in high-order cognition: Evidence of dissociation in aphasia. Behavioral and Brain Sciences, 2007, 30, 171-172.	0.4	5
181	P-FIT and the neuroscience of intelligence: How well does P fit?. Behavioral and Brain Sciences, 2007, 30, 166-167.	0.4	7
182	P-FIT: A major contribution to theories of intelligence. Behavioral and Brain Sciences, 2007, 30, 158-159.	0.4	0
183	Overall intelligence and localized brain damage. Behavioral and Brain Sciences, 2007, 30, 173-174.	0.4	1
184	A roadmap for integrating the brain with mind maps. Behavioral and Brain Sciences, 2007, 30, 156-158.	0.4	2
185	Can the Parieto-Frontal Integration Theory be extended to account for individual differences in skilled and expert performance in everyday life?. Behavioral and Brain Sciences, 2007, 30, 168-169.	0.4	5

#	Article	IF	CITATIONS
186	Integrative action in the fronto-parietal network: A cure for a scattered mind. Behavioral and Brain Sciences, 2007, 30, 161-162.	0.4	3
187	On images from correlations. Behavioral and Brain Sciences, 2007, 30, 162-163.	0.4	1
188	Simulation Frameworks for Large-Scale Brain Systems. Understanding Complex Systems, 2007, , 275-302.	0.3	4
189	Altered functional and structural connectivities in patients with MS. Neurology, 2007, 69, 2136-2145.	1.5	116
190	Bihemispheric Leftward Bias in a Visuospatial Attention-Related Network. Journal of Neuroscience, 2007, 27, 11271-11278.	1.7	116
191	Posteromedial Parietal Cortical Activity and Inputs Predict Tactile Spatial Acuity. Journal of Neuroscience, 2007, 27, 11091-11102.	1.7	84
192	Retrieval of emotional memories Psychological Bulletin, 2007, 133, 761-779.	5.5	363
193	Limbic and prefrontal responses to facial emotion expressions in depersonalization. NeuroReport, 2007, 18, 473-477.	0.6	66
194	Reciprocal Effects of Antidepressant Treatment on Activity and Connectivity of the Mood Regulating Circuit: An fMRI Study. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 274-282.	0.9	183
195	Functional neuroanatomy of speech processing within the temporal cortex. NeuroReport, 2007, 18, 1603-1607.	0.6	5
196	Exploring the neural basis of cognition: multi-modal links between human fMRI and macaque neurophysiology. Trends in Cognitive Sciences, 2007, 11, 84-92.	4.0	30
197	Decoding human brain activity during real-world experiences. Trends in Cognitive Sciences, 2007, 11, 356-365.	4.0	176
198	Functional neural networks underlying response inhibition in adolescents and adults. Behavioural Brain Research, 2007, 181, 12-22.	1.2	210
199	Brain network for passive word listening as evaluated with ICA and Granger causality. Brain Research Bulletin, 2007, 72, 284-292.	1.4	34
200	Disordered connectivity in the autistic brain: Challenges for the â€~new psychophysiology'. International Journal of Psychophysiology, 2007, 63, 164-172.	0.5	293
201	Targeting the effects of omega-3 and omega-6 fatty acid supplementation on schizophrenic spectrum disorders: Role of neuroimaging. Medical Hypotheses, 2007, 69, 466-467.	0.8	2
202	Approaches to the cortical analysis of auditory objects. Hearing Research, 2007, 229, 46-53.	0.9	30
203	Age-related connectivity changes in fMRI data from children listening to stories. NeuroImage, 2007, 34, 349-360.	2.1	139

#	Article	IF	CITATIONS
204	Probabilistic diffusion tractography with multiple fibre orientations: What can we gain?. NeuroImage, 2007, 34, 144-155.	2.1	3,129
205	Functional connectivity in fMRI: A modeling approach for estimation and for relating to local circuits. NeuroImage, 2007, 34, 1093-1107.	2.1	20
206	Dynamic causal modeling: A generative model of slice timing in fMRI. NeuroImage, 2007, 34, 1487-1496.	2.1	84
207	Sex differences in the development of neuroanatomical functional connectivity underlying intelligence found using Bayesian connectivity analysis. NeuroImage, 2007, 35, 406-419.	2.1	130
208	Frequency based mutual information measures between clusters of brain regions in functional magnetic resonance imaging. NeuroImage, 2007, 35, 83-88.	2.1	82
209	Effective connectivity in target stimulus processing: A dynamic causal modeling study of visual oddball task. NeuroImage, 2007, 35, 827-835.	2.1	63
210	Analyzing for information, not activation, to exploit high-resolution fMRI. NeuroImage, 2007, 38, 649-662.	2.1	244
211	Dynamic causal modelling of evoked responses: The role of intrinsic connections. NeuroImage, 2007, 36, 332-345.	2.1	120
212	Dynamic causal modelling of evoked potentials: A reproducibility study. NeuroImage, 2007, 36, 571-580.	2.1	205
213	A Bayesian framework for global tractography. NeuroImage, 2007, 37, 116-129.	2.1	243
214	Cerebro-muscular and cerebro-cerebral coherence in patients with pre- and perinatally acquired unilateral brain lesions. NeuroImage, 2007, 37, 1301-1314.	2.1	29
215	Learning effective brain connectivity with dynamic Bayesian networks. Neurolmage, 2007, 37, 749-760.	2.1	122
216	Inferring neural activity from BOLD signals through nonlinear optimization. NeuroImage, 2007, 38, 248-260.	2.1	21
217	A mesostate-space model for EEG and MEG. NeuroImage, 2007, 38, 67-81.	2.1	34
218	A Metropolis–Hastings algorithm for dynamic causal models. NeuroImage, 2007, 38, 478-487.	2.1	40
219	Comparing hemodynamic models with DCM. NeuroImage, 2007, 38, 387-401.	2.1	449
220	Developmental changes in activation and effective connectivity in phonological processing. NeuroImage, 2007, 38, 564-575.	2.1	99
221	Variational free energy and the Laplace approximation. NeuroImage, 2007, 34, 220-234.	2.1	737

#	Article	IF	CITATIONS
222	The Parieto-Frontal Integration Theory (P-FIT) of intelligence: Converging neuroimaging evidence. Behavioral and Brain Sciences, 2007, 30, 135-154.	0.4	1,323
223	Task-specific change of unconscious neural priming in the cerebral language network. Proceedings of the United States of America, 2007, 104, 19643-19648.	3.3	81
224	Dynamic causal modeling of fMRI time series in response to fearful faces. , 2007, , .		0
225	Network structure of cerebral cortex shapes functional connectivity on multiple time scales. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10240-10245.	3.3	1,580
226	Modulation of visual processing by attention and emotion: windows on causal interactions between human brain regions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 837-855.	1.8	336
227	Amygdala–frontal connectivity during emotion regulation. Social Cognitive and Affective Neuroscience, 2007, 2, 303-312.	1.5	985
228	Statistical Approaches to Functional Neuroimaging Data. Neuroimaging Clinics of North America, 2007, 17, 441-458.	0.5	24
229	Functional disconnections in the direct and indirect amygdala pathways for fear processing in schizophrenia. Schizophrenia Research, 2007, 90, 284-294.	1.1	167
230	Neural Correlates of Verb Argument Structure Processing. Journal of Cognitive Neuroscience, 2007, 19, 1753-1767.	1.1	167
231	Magnocellular Projections as the Trigger of Top-Down Facilitation in Recognition. Journal of Neuroscience, 2007, 27, 13232-13240.	1.7	370
232	Modelling brain responses. , 2007, , 32-45.		7
233	Bayesian model selection and averaging. , 2007, , 454-467.		28
234	Dynamic Causal Models for fMRI. , 2007, , 541-560.		13
235	Bimanual passive movement: functional activation and inter-regional coupling. Frontiers in Integrative Neuroscience, 2007, 1, 5.	1.0	8
236	Neuronal models of EEG and MEG. , 2007, , 414-440.		2
237	Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: A preliminary fMRI investigation. NeuroRehabilitation, 2007, 22, 355-369.	0.5	28
238	Unified structural equation modeling approach for the analysis of multisubject, multivariate functional MRI data. Human Brain Mapping, 2007, 28, 85-93.	1.9	190
239	Nonlinear local electrovascular coupling. II: From data to neuronal masses. Human Brain Mapping, 2007, 28, 335-354.	1.9	60

ARTICLE IF CITATIONS # Regulation of emotional responses elicited by threat-related stimuli. Human Brain Mapping, 2007, 28, 240 1.9 362 409-423. Misattribution of speech and impaired connectivity in patients with auditory verbal hallucinations. 241 Human Brain Mapping, 2007, 28, 1213-1222. Dissociation of response inhibition and performance monitoring in the stop signal task using 242 1.9 251 event-related fMRI. Human Brain Mapping, 2007, 28, 1347-1358. Real-time functional magnetic resonance imaging: methods and applications. Magnetic Resonance 243 224 Imaging, 2007, 25, 989-1003. Assessing functional connectivity in the human brain by fMRI. Magnetic Resonance Imaging, 2007, 25, 244 1.0 379 1347-1357. Reliability and validity of structural equation modeling applied to neuroimaging data: A simulation study. Journal of Neuroscience Methods, 2007, 166, 278-292. 1.3 Spatial and temporal analysis of fMRI data on word and sentence reading. European Journal of 246 1.2 18 Neuroscience, 2007, 26, 2074-2084. The role of the basal ganglia and cerebellum in language processing. Brain Research, 2007, 1133, 136-144. 247 1.1 303 248 Dynamic functional connectivity. Current Opinion in Neurobiology, 2007, 17, 161-170. 2.0 118 Mechanisms of hemispheric specialization: Insights from analyses of connectivity. Neuropsychologia, 249 2007, 45, 209-228. Dynamic interactions between neural systems underlying different components of verbal working 250 1.4 18 memory. Journal of Neural Transmission, 2007, 114, 1047-1050. How do neural connectivity and time delays influence bimanual coordination?. Biological 30 Cybernetics, 2007, 96, 265-278. Bottom-up and top-down brain functional connectivity underlying comprehension of everyday visual 252 1.2 17 action. Brain Structure and Function, 2007, 212, 231-244. Clinical Diagnosis Based on Bayesian Classification of Functional Magnetic-Resonance Data. 1.5 Neuroinformatics, 2007, 5, 178-188. Mapping the Human Brain: New Insights from fMRI Data Sharing. Neuroinformatics, 2007, 5, 146-153. 254 1.5 31 Dynamic causal models of neural system dynamics: current state and future extensions. Journal of 201 Biosciences, 2007, 32, 129-144. 256 Dense mode clustering in brain maps. Magnetic Resonance Imaging, 2007, 25, 1249-1262. 1.0 6 Schizophreniaâ€"a parameters' game?. Journal of Theoretical Biology, 2008, 254, 89-98.

CITATION REPOR			_	
	ίιτατ	ION	KED(JBL

#	Article	IF	CITATIONS
258	Investigating the neural basis for fMRI-based functional connectivity in a blocked design: application to interregional correlations and psycho-physiological interactions. Magnetic Resonance Imaging, 2008, 26, 583-593.	1.0	49
259	Mapping causal interregional influences with concurrent TMS–fMRI. Experimental Brain Research, 2008, 191, 383-402.	0.7	197
260	Causal networks in simulated neural systems. Cognitive Neurodynamics, 2008, 2, 49-64.	2.3	65
261	Dynamic causal modelling for EEG and MEG. Cognitive Neurodynamics, 2008, 2, 121-136.	2.3	183
262	Impaired associative learning in schizophrenia: behavioral and computational studies. Cognitive Neurodynamics, 2008, 2, 207-219.	2.3	41
263	Kinetic Models of Brain Activity. Brain Imaging and Behavior, 2008, 2, 270-288.	1.1	5
264	Flavor and the Formation of Category-Specific Processing in Olfaction. Chemosensory Perception, 2008, 1, 136-146.	0.7	44
265	Neuropsychiatry. European Archives of Psychiatry and Clinical Neuroscience, 2008, 258, 226-238.	1.8	14
266	Assessment of brain interactivity in the motor cortex from the concept of functional connectivity and spectral analysis of fMRI data. Biological Cybernetics, 2008, 98, 101-114.	0.6	7
267	The human inferior parietal lobule in stereotaxic space. Brain Structure and Function, 2008, 212, 481-495.	1.2	355
268	A novel method for integrating MEG and BOLD fMRI signals with the linear convolution model in human primary somatosensory cortex. Human Brain Mapping, 2008, 29, 97-106.	1.9	14
269	Functional connectivity estimation in fMRI data: Influence of preprocessing and time course selection. Human Brain Mapping, 2008, 29, 1040-1052.	1.9	37
270	Cortical connectivity after subcortical stroke assessed with functional magnetic resonance imaging. Annals of Neurology, 2008, 63, 236-246.	2.8	503
271	Time-resolved analysis of fMRI signal changes using Brain Activation Movies. Journal of Neuroscience Methods, 2008, 169, 222-230.	1.3	16
272	The impact of functional connectivity changes on support vector machines mapping of fMRI data. Journal of Neuroscience Methods, 2008, 172, 94-104.	1.3	9
273	Testing for nested oscillation. Journal of Neuroscience Methods, 2008, 174, 50-61.	1.3	216
274	Multivariate analysis of fMRI time series: classification and regression of brain responses using machine learning. Magnetic Resonance Imaging, 2008, 26, 921-934.	1.0	113
275	Effects of development and enculturation on number representation in the brain. Nature Reviews Neuroscience, 2008, 9, 278-291.	4.9	592

#	Article	IF	CITATIONS
276	Combining structural and functional neuroimaging data for studying brain connectivity: A review. Psychophysiology, 2008, 45, 173-187.	1.2	154
277	Changes in effective connectivity of human superior parietal lobule under multisensory and unisensory stimulation. European Journal of Neuroscience, 2008, 27, 2303-2312.	1.2	23
278	Probabilistic Boolean Network Analysis of Brain Connectivity in Parkinson's Disease. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 975-985.	7.3	14
279	On the Detection of Direct Directed Information Flow in fMRI. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 965-974.	7.3	19
280	Probabilistic Framework for Brain Connectivity From Functional MR Images. IEEE Transactions on Medical Imaging, 2008, 27, 825-833.	5.4	10
281	Effective brain connectivity in children with reading difficulties during phonological processing. Brain and Language, 2008, 107, 91-101.	0.8	142
282	Developmental increases in effective connectivity to brain regions involved in phonological processing during tasks with orthographic demands. Brain Research, 2008, 1189, 78-89.	1.1	55
283	Evaluation of prefrontal–hippocampal effective connectivity following 24 hours of estrogen infusion: An FDG-PET study. Psychoneuroendocrinology, 2008, 33, 1419-1425.	1.3	27
284	Superior Temporal Sulcus—It's My Area: Or Is It?. Journal of Cognitive Neuroscience, 2008, 20, 2125-2136.	1.1	386
285	Altered resting-state functional connectivity and anatomical connectivity of hippocampus in schizophrenia. Schizophrenia Research, 2008, 100, 120-132.	1.1	289
286	Complexity Explained. , 2008, , .		133
287	Evaluation of the effective connectivity of the dominant primary motor cortex during bimanual movement using Granger causality. Neuroscience Letters, 2008, 443, 1-6.	1.0	34
288	A Neural Representation of Prior Information during Perceptual Inference. Neuron, 2008, 59, 336-347.	3.8	288
289	Neuroimaging of Cognition: Past, Present, and Future. Neuron, 2008, 60, 496-502.	3.8	57
290	Sex differences in sensory gating of the thalamus during auditory interference of visual attention tasks. Neuroscience, 2008, 151, 1006-1015.	1.1	23
291	A link between neuroscience and informatics: Large-scale modeling of memory processes. Methods, 2008, 44, 338-347.	1.9	8
292	Central adaptation following heterotopic hand replantation probed by fMRI and effective connectivity analysis. Experimental Neurology, 2008, 212, 132-144.	2.0	38
293	Neurophysiology and neuroanatomy of reflexive and volitional saccades: Evidence from studies of humans. Brain and Cognition, 2008, 68, 255-270.	0.8	311

ARTICLE IF CITATIONS # Disconnection's renaissance takes shape: Formal incorporation in group-level lesion studies. Cortex, 294 1.1 90 2008, 44, 1084-1096. Attention to Odor Modulates Thalamocortical Connectivity in the Human Brain. Journal of 1.7 218 Neuroscience, 2008, 28, 5257-5267. Biophysical model for integrating neuronal activity, EEG, fMRI and metabolism. NeuroImage, 2008, 39, 296 2.1 113 290-309. A simple view of the brain through a frequency-specific functional connectivity measure. NeuroImage, 208 2008, 39, 279-289. Dynamic causal modelling for fMRI: A two-state model. NeuroImage, 2008, 39, 269-278. 298 2.1 174 Variational Bayesian inversion of the equivalent current dipole model in EEG/MEG. NeuroImage, 2008, 299 2.1 94 39, 728-741. A method for multi-group inter-participant correlation: Abnormal synchrony in patients with 300 2.1 12 schizophrenia during auditory target detection. NeuroImage, 2008, 39, 1129-1141. Letâ€[™]s face it: Itâ€[™]s a cortical network. NeuroImage, 2008, 40, 415-419. 2.1 329 Localization of correlated network activity at the cortical level with MEG. NeuroImage, 2008, 39, 302 2.1 45 1706-1720. Abnormal connections in the supraspinal bladder control network in women with urge urinary 2.1 74 incontinence. NeuroImage, 2008, 39, 1647-1653. Preictal short-term plasticity induced by intracerebral 1ÂHz stimulation. NeuroImage, 2008, 39, 1633-1646. 304 2.1 50 Nonlinear estimation of the BOLD signal. NeuroImage, 2008, 40, 504-514. 305 2.1 The suppressive influence of SMA on M1 in motor imagery revealed by fMRI and dynamic causal 306 2.1 219 modeling. NeuroImage, 2008, 40, 828-837. Evidence of fronto-temporal interactions for strategic inference processes during language 2.1 comprehension. Neurolmage, 2008, 40, 940-954. Dynamic Bayesian network modeling of fMRI: A comparison of group-analysis methods. NeuroImage, 308 2.1 74 2008, 41, 398-407. Connectivity modulation of early visual processing areas during covert and overt tracking tasks. 309 29 Neurolmage, 2008, 41, 380-388. Analyzing information flow in brain networks with nonparametric Granger causality. NeuroImage, 310 2.1327 2008, 41, 354-362. Modeling of region-specific fMRI BOLD neurovascular response functions in rat brain reveals residual differences that correlate with the differences in regional evoked potentials. NeuroImage, 2.1 2008, 41, 525-534.

#	Article	IF	CITATIONS
312	DEM: A variational treatment of dynamic systems. NeuroImage, 2008, 41, 849-885.	2.1	266
313	Variational filtering. NeuroImage, 2008, 41, 747-766.	2.1	55
314	Dynamic causal modelling of induced responses. NeuroImage, 2008, 41, 1293-1312.	2.1	120
315	Dynamic intra- and interhemispheric interactions during unilateral and bilateral hand movements assessed with fMRI and DCM. NeuroImage, 2008, 41, 1382-1394.	2.1	356
317	Population dynamics: Variance and the sigmoid activation function. Neurolmage, 2008, 42, 147-157.	2.1	130
318	Nonlinear dynamic causal models for fMRI. NeuroImage, 2008, 42, 649-662.	2.1	374
319	The functional anatomy of the MMN: A DCM study of the roving paradigm. NeuroImage, 2008, 42, 936-944.	2.1	392
320	Hybrid ICA–Bayesian network approach reveals distinct effective connectivity differences in schizophrenia. Neurolmage, 2008, 42, 1560-1568.	2.1	44
321	Mapping and correction of vascular hemodynamic latency in the BOLD signal. NeuroImage, 2008, 43, 90-102.	2.1	119
322	Asymmetric control mechanisms of bimanual coordination: An application of directed connectivity analysis to kinematic and functional MRI data. NeuroImage, 2008, 42, 1295-1304.	2.1	55
323	Connectivity from the ventral anterior cingulate to the amygdala is modulated by appetitive motivation in response to facial signals of aggression. NeuroImage, 2008, 43, 562-570.	2.1	91
324	Fronto-cingulate effective connectivity in major depression: A study with fMRI and dynamic causal modeling. NeuroImage, 2008, 43, 645-655.	2.1	145
325	Negation in the brain: Modulating action representations. NeuroImage, 2008, 43, 358-367.	2.1	183
327	Probabilistic Boolean Network for Inferring Brain Connectivity using FMRI Data. , 2008, , .		0
328	Dynamic analysis of Probabilistic Boolean Network for fMRI study in Parkinson's Disease. , 2008, 2008, 161-4.		3
329	Dorsal Premotor Cortex Exerts State-Dependent Causal Influences on Activity in Contralateral Primary Motor and Dorsal Premotor Cortex. Cerebral Cortex, 2008, 18, 1281-1291.	1.6	173
330	A Method to Analyze Correlations between Multiple Brain Imaging Tasks to Characterize Schizophrenia. , 2008, , .		1
331	Perceptuo-Motor Interactions during Prehension Movements. Journal of Neuroscience, 2008, 28, 4726-4735.	1.7	101

#	Article	IF	CITATIONS
332	Effective and Structural Connectivity in the Human Auditory Cortex. Journal of Neuroscience, 2008, 28, 3341-3349.	1.7	83
333	ICA for Fusion of Brain Imaging Data. , 2008, , 221-240.		9
334	Rapid Interactions between the Ventral Visual Stream and Emotion-Related Structures Rely on a Two-Pathway Architecture. Journal of Neuroscience, 2008, 28, 2793-2803.	1.7	129
335	Analytical modelling and computational methods for emerging technologies. , 2008, , .		0
336	Fronto-temporal Interactions during Overt Verbal Initiation and Suppression. Journal of Cognitive Neuroscience, 2008, 20, 1656-1669.	1.1	48
337	Neural Correlates of Predictive and Postdictive Switching Mechanisms for Internal Models. Journal of Neuroscience, 2008, 28, 10751-10765.	1.7	50
338	The Cortical Dynamics of Intelligible Speech. Journal of Neuroscience, 2008, 28, 13209-13215.	1.7	116
339	Transient Cognitive Dynamics, Metastability, and Decision Making. PLoS Computational Biology, 2008, 4, e1000072.	1.5	272
340	Electrical Neuroimaging Reveals Timing of Attentional Control Activity in Human Brain. PLoS Biology, 2008, 6, e81.	2.6	94
341	Functional Coupling of the Amygdala in Depressed Patients Treated with Antidepressant Medication. Neuropsychopharmacology, 2008, 33, 1909-1918.	2.8	196
342	How Does Reward Expectation Influence Cognition in the Human Brain?. Journal of Cognitive Neuroscience, 2008, 20, 1980-1992.	1.1	41
343	The anatomy of blindsight. Brain, 2008, 131, 1414-1415.	3.7	12
344	Parallel striatal and hippocampal systems for landmarks and boundaries in spatial memory. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5915-5920.	3.3	493
345	The Functional Integration of the Anterior Cingulate Cortex during Conflict Processing. Cerebral Cortex, 2008, 18, 796-805.	1.6	147
346	Chapter 4 Functional neuroimaging of cognition. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 88, 61-111.	1.0	14
347	Simulation of Motor Cortex Connectivity in Different States. , 2008, , .		0
348	Controlling the false discovery rate in modeling brain functional connectivity. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
349	The Effect of Prior Visual Information on Recognition of Speech and Sounds. Cerebral Cortex, 2008, 18, 598-609.	1.6	172

	Сіта	TION REPORT	
#	Article	IF	Citations
350	Idiom Comprehension: A Prefrontal Task?. Cerebral Cortex, 2008, 18, 162-170.	1.6	122
352	Frequency-Specific Coupling in the Cortico-Cerebellar Auditory System. Journal of Neurophysiology, 2008, 100, 1699-1705.	0.9	28
353	The Statistical Analysis of fMRI Data. Statistical Science, 2008, 23, .	1.6	383
354	Analytical modelling and computational methods for emerging technologies. , 2008, , .		0
355	Contribution of Exploratory Methods to the Investigation of Extended Large-Scale Brain Networks in Functional MRI: Methodologies, Results, and Challenges. International Journal of Biomedical Imaging, 2008, 2008, 1-14.	3.0	32
356	Identifying Neural Drivers with Functional MRI: An Electrophysiological Validation. PLoS Biology, 2008, 6, e315.	2.6	462
357	Exploring the Anatomical Basis of Effective Connectivity Models with DTI-Based Fiber Tractography. International Journal of Biomedical Imaging, 2008, 2008, 1-9.	3.0	10
358	The Proactive Brain: Using Memory-Based Predictions in Visual Recognition. , 0, , 384-400.		2
359	Changes in EEG Power Spectral Density and Cortical Connectivity in Healthy and Tetraplegic Patients during a Motor Imagery Task. Computational Intelligence and Neuroscience, 2009, 2009, 1-12.	1.1	21
360	Neural Activity in the Human Brain Signals Logical Rule Identification. Journal of Neurophysiology, 2009, 102, 1526-1537.	0.9	11
361	Causal Hierarchy within the Thalamo-Cortical Network in Spike and Wave Discharges. PLoS ONE, 2009, 4, e6475.	1.1	141
362	Applications of multivariate pattern classification analyses in developmental neuroimaging of healthy and clinical populations. Frontiers in Human Neuroscience, 2009, 3, 32.	1.0	65
364	EEG-Correlated fMRI in Epilepsy. Blue Books of Neurology, 2009, 33, 65-83.	0.1	0
365	A Dual Role for Prediction Error in Associative Learning. Cerebral Cortex, 2009, 19, 1175-1185.	1.6	273
367	Key role of coupling, delay, and noise in resting brain fluctuations. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10302-10307.	3.3	681
368	Dysconnection in Schizophrenia: From Abnormal Synaptic Plasticity to Failures of Self-monitoring. Schizophrenia Bulletin, 2009, 35, 509-527.	2.3	1,021
369	Disrupted Effective Connectivity Between the Medial Frontal Cortex and the Caudate in Adolescent Boys With Externalizing Behavior Disorders. Criminal Justice and Behavior, 2009, 36, 1141-1157.	1.1	54
370	A Connectionist Perspective on Attentional Effects in Neurodynamics Data. , 2009, , 145-162.		0

#	Article	IF	CITATIONS
371	Numbers in the cultural brain. Progress in Brain Research, 2009, 178, 151-157.	0.9	7
372	Functional Connectivity. , 2009, , 391-397.		21
373	Mind Your Left: Spatial Bias in Subcortical Fear Processing. Journal of Cognitive Neuroscience, 2009, 21, 1782-1789.	1.1	21
374	A Dynamic Causal Model of the Coupling Between Pulse Stimulation and Neural Activity. Neural Computation, 2009, 21, 2846-2868.	1.3	2
377	Developmental Increase in Top–Down and Bottom–Up Processing in a Phonological Task: An Effective Connectivity, fMRI Study. Journal of Cognitive Neuroscience, 2009, 21, 1135-1145.	1.1	67
378	Qualia: The Geometry of Integrated Information. PLoS Computational Biology, 2009, 5, e1000462.	1.5	156
379	The Brain Network Underlying Serial Visual Search: Comparing Overt and Covert Spatial Orienting, for Activations and for Effective Connectivity. Cerebral Cortex, 2009, 19, 2946-2958.	1.6	47
380	Functional integration between the posterior hippocampus and prefrontal cortex is impaired in both first episode schizophrenia and the at risk mental state. Brain, 2009, 132, 2426-2436.	3.7	165
381	Auditory Oddball Deficits in Schizophrenia: An Independent Component Analysis of the fMRI Multisite Function BIRN Study. Schizophrenia Bulletin, 2009, 35, 67-81.	2.3	132
382	A Novel Extended Granger Causal Model Approach Demonstrates Brain Hemispheric Differences during Face Recognition Learning. PLoS Computational Biology, 2009, 5, e1000570.	1.5	32
383	Causal Modelling and Brain Connectivity in Functional Magnetic Resonance Imaging. PLoS Biology, 2009, 7, e1000033.	2.6	390
384	A failure to grasp the affective meaning of actions in autism spectrum disorder subjects. Neuropsychologia, 2009, 47, 1816-1825.	0.7	90
385	Affective learning enhances activity and functional connectivity in early visual cortex. Neuropsychologia, 2009, 47, 2480-2487.	0.7	83
386	Progress in cognitive neuroscientific studies of visual awareness. Progress in Natural Science: Materials International, 2009, 19, 145-152.	1.8	2
387	Resting state corticolimbic connectivity abnormalities in unmedicated bipolar disorder and unipolar depression. Psychiatry Research - Neuroimaging, 2009, 171, 189-198.	0.9	330
388	Abnormally increased effective connectivity between parahippocampal gyrus and ventromedial prefrontal regions during emotion labeling in bipolar disorder. Psychiatry Research - Neuroimaging, 2009, 174, 195-201.	0.9	102
389	A principal component network analysis of prefrontal-limbic functional magnetic resonance imaging time series in schizophrenia patients and healthy controls. Psychiatry Research - Neuroimaging, 2009, 174, 184-194.	0.9	14
390	Identification of neural activity based on fMRI data: A simulation study. Journal of Physiology (Paris), 2009, 103, 353-360.	2.1	4

#	Article	IF	CITATIONS
391	Feature-Based Fusion of Medical Imaging Data. IEEE Transactions on Information Technology in Biomedicine, 2009, 13, 711-720.	3.6	187
392	Unified Framework for Robust Estimation of Brain Networks From fMRI Using Temporal and Spatial Correlation Analyses. IEEE Transactions on Medical Imaging, 2009, 28, 1296-1307.	5.4	17
393	Kernel Granger Causality Mapping Effective Connectivity on fMRI Data. IEEE Transactions on Medical Imaging, 2009, 28, 1825-1835.	5.4	44
394	Bilingual aphasia and language control: A follow-up fMRI and intrinsic connectivity study. Brain and Language, 2009, 109, 141-156.	0.8	147
395	Amygdala responses to positively and negatively valenced baby faces in healthy female volunteers: Influences of individual differences in harm avoidance. Brain Research, 2009, 1296, 94-103.	1.1	36
396	Discrete dynamic Bayesian network analysis of fMRI data. Human Brain Mapping, 2009, 30, 122-137.	1.9	51
397	Structural and functional MRI correlates of Stroop control in benign MS. Human Brain Mapping, 2009, 30, 276-290.	1.9	117
398	Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. Human Brain Mapping, 2009, 30, 392-402.	1.9	113
399	Frequency domain connectivity identification: An application of partial directed coherence in fMRI. Human Brain Mapping, 2009, 30, 452-461.	1.9	100
400	Largeâ€scale neural model validation of partial correlation analysis for effective connectivity investigation in functional MRI. Human Brain Mapping, 2009, 30, 941-950.	1.9	72
401	An fMRI normative database for connectivity networks using one lass support vector machines. Human Brain Mapping, 2009, 30, 1068-1076.	1.9	17
402	Neural connectivity as an intermediate phenotype: Brain networks under genetic control. Human Brain Mapping, 2009, 30, 1938-1946.	1.9	109
403	Abnormal connectivity of the sensorimotor network in patients with MS: A multicenter fMRI study. Human Brain Mapping, 2009, 30, 2412-2425.	1.9	51
404	A method to fuse fMRI tasks through spatial correlations: Applied to schizophrenia. Human Brain Mapping, 2009, 30, 2512-2529.	1.9	14
405	Model driven EEG/fMRI fusion of brain oscillations. Human Brain Mapping, 2009, 30, 2701-2721.	1.9	210
406	ls a preserved functional reserve a mechanism limiting clinical impairment in pediatric MS patients?. Human Brain Mapping, 2009, 30, 2844-2851.	1.9	64
407	Dynamic causal modeling for EEG and MEG. Human Brain Mapping, 2009, 30, 1866-1876.	1.9	186
408	Functional integration within the human pain system as revealed by Granger causality. Human Brain Mapping, 2009, 30, 4025-4032.	1.9	37

#	Article	IF	Citations
409	Superior temporal lobe dysfunction and frontotemporal dysconnectivity in subjects at risk of psychosis and in firstâ€episode psychosis. Human Brain Mapping, 2009, 30, 4129-4137.	1.9	189
410	Sensorimotor network rewiring in mild cognitive impairment and Alzheimer's disease. Human Brain Mapping, 2010, 31, 515-525.	1.9	93
411	Sensoryâ€motor brain network connectivity for speech comprehension. Human Brain Mapping, 2010, 31, 567-580.	1.9	80
412	Identifying spatially overlapping local cortical networks with MEG. Human Brain Mapping, 2010, 31, 1003-1016.	1.9	25
413	Brain mechanisms for predictive control by switching internal models: implications for higher-order cognitive functions. Psychological Research, 2009, 73, 527-544.	1.0	102
414	Interdependence of theoretical concepts and neuroimaging data. Poiesis & Praxis, 2009, 6, 203-217.	0.3	3
415	Background and evoked activity and their interaction in the human brain. Magnetic Resonance Imaging, 2009, 27, 1140-1150.	1.0	19
416	Identification and comparison of stochastic metabolic/hemodynamic models (sMHM) for the generation of the BOLD signal. Journal of Computational Neuroscience, 2009, 26, 251-269.	0.6	24
417	Solving the brain synchrony eigenvalue problem: conservation of temporal dynamics (fMRI) over subjects doing the same task. Journal of Computational Neuroscience, 2009, 27, 103-114.	0.6	34
418	The Effects of Computational Method, Data Modeling, and TR on Effective Connectivity Results. Brain Imaging and Behavior, 2009, 3, 220-231.	1.1	22
419	Multisensory functional magnetic resonance imaging: a future perspective. Experimental Brain Research, 2009, 198, 153-164.	0.7	45
420	An anatomical signature for literacy. Nature, 2009, 461, 983-986.	13.7	362
421	Complex brain networks: graph theoretical analysis of structural and functional systems. Nature Reviews Neuroscience, 2009, 10, 186-198.	4.9	9,369
422	Variational Bayesian identification and prediction of stochastic nonlinear dynamic causal models. Physica D: Nonlinear Phenomena, 2009, 238, 2089-2118.	1.3	165
423	Confounding effects of indirect connections on causality estimation. Journal of Neuroscience Methods, 2009, 184, 152-160.	1.3	116
425	Neural representation of animacy in the early visual areas: A functional MRI study. Brain Research Bulletin, 2009, 79, 271-280.	1.4	16
426	The developmental cognitive neuroscience of functional connectivity. Brain and Cognition, 2009, 70, 1-12.	0.8	96
427	Information processing algorithms in the brain. Trends in Cognitive Sciences, 2009, 13, 20-26.	4.0	50

#	Article	IF	CITATIONS
428	Concurrent brain-stimulation and neuroimaging for studies of cognition. Trends in Cognitive Sciences, 2009, 13, 319-327.	4.0	110
429	Expectation (and attention) in visual cognition. Trends in Cognitive Sciences, 2009, 13, 403-409.	4.0	749
430	Assessing neuronal networks: Understanding Alzheimer's disease. Progress in Neurobiology, 2009, 89, 125-133.	2.8	109
431	Mining EEG–fMRI using independent component analysis. International Journal of Psychophysiology, 2009, 73, 53-61.	0.5	84
432	Interaction of speech and script in human auditory cortex: Insights from neuro-imaging and effective connectivity. Hearing Research, 2009, 258, 152-164.	0.9	55
433	Brain functional modeling, what do we measure with fMRI data?. Neuroscience Research, 2009, 64, 12-19.	1.0	14
434	An investigation of cross-modal plasticity of effective connectivity in the blind by dynamic causal modeling of functional MRI data. Neuroscience Research, 2009, 65, 175-186.	1.0	39
435	Abnormal Amygdala-Prefrontal Effective Connectivity to Happy Faces Differentiates Bipolar from Major Depression. Biological Psychiatry, 2009, 66, 451-459.	0.7	285
436	A Connectivity-Based Method for Defining Regions-of-Interest in fMRI Data. IEEE Transactions on Image Processing, 2009, 18, 1760-1771.	6.0	12
438	Variational Bayesian Inference for a Nonlinear Forward Model. IEEE Transactions on Signal Processing, 2009, 57, 223-236.	3.2	333
439	The Social Brain: Neural Basis of Social Knowledge. Annual Review of Psychology, 2009, 60, 693-716.	9.9	1,444
440	Quantifying Brain Connectivity: A Comparative Tractography Study. Lecture Notes in Computer Science, 2009, 12, 886-893.	1.0	19
441	Eyes Wide Shut: Amygdala Mediates Eyes-Closed Effect on Emotional Experience with Music. PLoS ONE, 2009, 4, e6230.	1.1	52
442	A controlled single case study with repeated fMRI measurements during the treatment of a patient with obsessive-compulsive disorder: Testing the nonlinear dynamics approach to psychotherapy. World Journal of Biological Psychiatry, 2009, 10, 658-668.	1.3	69
443	fMRI Techniques and Protocols. Neuromethods, 2009, , .	0.2	14
444	Imaging Structure and Function. , 2009, , 461-480.		3
445	MR Diffusion Tractography. , 2009, , 333-351.		23
446	Inferring effective connectivity in the brain from EEG time series using dynamic bayesian networks. , 2009, 2009, 4739-42.		5

ARTICLE IF CITATIONS # Neuroscientific Investigations of Musical Rhythm: Recent Advances and Future Challenges. 447 0.3 18 Contemporary Music Review, 2009, 28, 251-277. Dynamical causal modelling for M/EEG: Spatial and temporal symmetry constraints. NeuroImage, 2009, 448 2.1 44, 154-163. 449 Dynamic causal models of steady-state responses. NeuroImage, 2009, 44, 796-811. 2.1 177 Population dynamics under the Laplace assumption. NeuroImage, 2009, 44, 701-714. Forward and backward connections in the brain: A DCM study of functional asymmetries. NeuroImage, 451 2.1 96 2009, 45, 453-462. Local pattern classification differentiates processes of economic valuation. NeuroImage, 2009, 45, 2.1 1329-1338. How well does structural equation modeling reveal abnormal brain anatomical connections? An fMRI 453 2.1 65 simulation study. NeuroImage, 2009, 45, 1190-1198. A stimulus-locked vector autoregressive model for slow event-related fMRI designs. NeuroImage, 454 2.1 2009, 46, 739-748. Connectivity alterations assessed by combining fMRI and MR-compatible hand robots in chronic 455 2.1 54 stroke. NeuroImage, 2009, 47, T90-T97. Bayesian model selection for group studies. NeuroImage, 2009, 46, 1004-1017. 2.1 1,253 Control of bladder sensations: An fMRI study of brain activity and effective connectivity. NeuroImage, 457 2.1 56 2009, 47, 18-27. Linking functional and structural brain images with multivariate network analyses: A novel 2.1 application of the partial least square method. NeuroImage, 2009, 47, 602-610. Dynamic causal modelling of distributed electromagnetic responses. NeuroImage, 2009, 47, 590-601. 459 2.1 95 Cognitive reappraisal modulates expected value and prediction error encoding in the ventral striatum. NeuroImage, 2009, 47, 713-721. 2.1 461 Tractography-based priors for dynamic causal models. NeuroImage, 2009, 47, 1628-1638. 2.1 137 Repetition suppression and plasticity in the human brain. NeuroImage, 2009, 48, 269-279. 192 Different roles of cytoarchitectonic BA 44 and BA 45 in phonological and semantic verbal fluency as 463 2.183 revealed by dynamic causal modelling. NeuroImage, 2009, 48, 616-624. Understanding why patients with schizophrenia do not perceive the hollow-mask illusion using 464 2.1 dynamic causal modelling. NeuroImage, 2009, 46, 1180-1186.

#	Article	IF	CITATIONS
465	A systems perspective on the effective connectivity of overt speech production. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 2399-2421.	1.6	182
466	From Granger causality to long-term causality: Application to climatic data. Physical Review E, 2009, 80, 016208.	0.8	42
467	Dynamic Causal Modeling of the Response to Frequency Deviants. Journal of Neurophysiology, 2009, 101, 2620-2631.	0.9	173
468	Connecting the Brain and New Drug Targets for Schizophrenia. Current Pharmaceutical Design, 2009, 15, 2615-2631.	0.9	12
469	Inferring visual system connectivity using dynamic causal modeling of functional magnetic resonance imaging data. Proceedings of SPIE, 2010, , .	0.8	1
471	Consistent pivotal role of posterior cingulate cortex in the default mode network revealed by partial correlation analysis. , 2010, , .		0
472	Discovering effective connectivity among brain regions from functional MRI data. International Journal of Computers in Healthcare, 2010, 1, 86.	0.5	6
473	Graph theoretical modeling of brain connectivity. Current Opinion in Neurology, 2010, 23, 341-350.	1.8	597
474	Emotion affects action: Midcingulate cortex as a pivotal node of interaction between negative emotion and motor signals. Cognitive, Affective and Behavioral Neuroscience, 2010, 10, 94-106.	1.0	124
475	Disease and the brain's dark energy. Nature Reviews Neurology, 2010, 6, 15-28.	4.9	803
476	New approaches to the study of human brain networks underlying spatial attention and related processes. Experimental Brain Research, 2010, 206, 153-162.	0.7	31
477	Anterior insula activations in perceptual paradigms: often observed but barely understood. Brain Structure and Function, 2010, 214, 611-622.	1.2	167
478	Evaluation of data-driven network analysis approaches for functional connectivity MRI. Brain Structure and Function, 2010, 215, 129-140.	1.2	9
479	Present and future of simultaneous EEG-fMRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 309-316.	1.1	60
480	A method for evaluating dynamic functional network connectivity and task-modulation: application to schizophrenia. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 351-366.	1.1	544
481	A role of diffusion tensor imaging in movement disorder surgery. Acta Neurochirurgica, 2010, 152, 2089-2095.	0.9	31
482	A method for the estimation of functional brain connectivity from time-series data. Cognitive Neurodynamics, 2010, 4, 133-149.	2.3	12
483	Connecting Mean Field Models of Neural Activity to EEG and fMRI Data. Brain Topography, 2010, 23, 139-149.	0.8	93

#	Article	IF	CITATIONS
484	Development of the Brain's Functional Network Architecture. Neuropsychology Review, 2010, 20, 362-375.	2.5	109
485	The Role of Functional Magnetic Resonance Imaging in the Study of Brain Development, Injury, and Recovery in the Newborn. Seminars in Perinatology, 2010, 34, 79-86.	1.1	28
486	On Temporal Connectivity of PFC Via Gauss - Markov Modeling of fNIRS Signals. IEEE Transactions on Biomedical Engineering, 2010, 57, 761-768.	2.5	21
487	Interactions between cognition and motivation during response inhibition. Neuropsychologia, 2010, 48, 558-565.	0.7	158
488	Semantic domain-specific functional integration for action-related vs. abstract concepts. Brain and Language, 2010, 112, 223-232.	0.8	33
489	Changes in regional activity are accompanied with changes in inter-regional connectivity during 4Âweeks motor learning. Brain Research, 2010, 1318, 64-76.	1.1	130
490	Effective connectivities of cortical regions for top-down face processing: A Dynamic Causal Modeling study. Brain Research, 2010, 1340, 40-51.	1.1	44
491	Reduced left subgenual anterior cingulate cortical activity during withdrawal-related emotions in melancholic depressed female patients. Journal of Affective Disorders, 2010, 127, 326-331.	2.0	18
492	Brain Science of Ethics: Present Status and the Future. Mind, Brain, and Education, 2010, 4, 188-195.	0.9	12
493	Reduced functional coupling in the defaultâ€mode network during selfâ€referential processing. Human Brain Mapping, 2010, 31, 1117-1127.	1.9	101
494	A Parametric Empirical Bayesian framework for fMRI onstrained MEG/EEG source reconstruction. Human Brain Mapping, 2010, 31, 1512-1531.	1.9	101
495	Frontoâ€cingulate effective connectivity in obsessive compulsive disorder: A study with fMRI and dynamic causal modeling. Human Brain Mapping, 2010, 31, 1834-1850.	1.9	92
496	Patternâ€information fMRI: New questions which it opens up and challenges which face it. International Journal of Imaging Systems and Technology, 2010, 20, 31-41.	2.7	40
497	Brain networks: Graph theoretical analysis and development models. International Journal of Imaging Systems and Technology, 2010, 20, 108-116.	2.7	7
498	A nonlinear identification method to study effective connectivity in functional MRI. Medical Image Analysis, 2010, 14, 30-38.	7.0	27
499	Spatiotemporal BOLD dynamics from a poroelastic hemodynamic model. Journal of Theoretical Biology, 2010, 265, 524-534.	0.8	47
500	A MATLAB toolbox for Granger causal connectivity analysis. Journal of Neuroscience Methods, 2010, 186, 262-273.	1.3	706
501	Revealing voxel correlation cliques by functional holography analysis of fMRI. Journal of Neuroscience Methods, 2010, 191, 126-137.	1.3	6

#	Article	IF	CITATIONS
502	Functional MRI and multivariate autoregressive models. Magnetic Resonance Imaging, 2010, 28, 1058-1065.	1.0	52
503	A role for white matter abnormalities in the pathophysiology of bipolar disorder. Neuroscience and Biobehavioral Reviews, 2010, 34, 533-554.	2.9	202
504	Information integration based predictions about the conscious states of a spiking neural network. Consciousness and Cognition, 2010, 19, 294-310.	0.8	21
505	Modelâ€based approaches to neuroimaging: combining reinforcement learning theory with fMRI data. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 501-510.	1.4	82
506	Analyzing effective connectivity with functional magnetic resonance imaging. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 446-459.	1.4	154
507	Mismatch negativity (MMN), the deviance-elicited auditory deflection, explained. Psychophysiology, 2010, 47, 66-122.	1.2	430
508	The combination of EEG Source Imaging and EEG orrelated functional MRI to map epileptic networks. Epilepsia, 2010, 51, 491-505.	2.6	75
509	Central mechanisms of odour object perception. Nature Reviews Neuroscience, 2010, 11, 628-641.	4.9	430
510	Structural and functional magnetic resonance imaging correlates of motor network dysfunction in primary progressive multiple sclerosis. European Journal of Neuroscience, 2010, 31, 1273-1280.	1.2	38
511	From Blood Oxygenation Level Dependent (BOLD) signals to brain temperature maps. Nature Precedings, 2010, , .	0.1	Ο
512	Brain Imaging Techniques and Their Applications in Decision-Making Research. Acta Psychologica Sinica, 2010, 42, 120-137.	0.4	45
513	What have We Learned from "Perturbing―the Human Cortical Motor System with Transcranial Magnetic Stimulation?. Frontiers in Human Neuroscience, 2010, 4, 173.	1.0	64
514	Face-Specific Resting Functional Connectivity between the Fusiform Gyrus and Posterior Superior Temporal Sulcus. Frontiers in Human Neuroscience, 2010, 4, 176.	1.0	66
515	MEG and fMRI Fusion for Non-Linear Estimation of Neural and BOLD Signal Changes. Frontiers in Neuroinformatics, 2010, 4, 114.	1.3	21
516	Transcranial magnetic stimulation and connectivity mapping: tools for studying the neural bases of brain disorders. Frontiers in Systems Neuroscience, 2010, 4, .	1.2	19
517	Identifying abnormal connectivity in patients using Dynamic Causal Modelling of fMRI responses. Frontiers in Systems Neuroscience, 2010, 4, .	1.2	70
518	Connectivity analysis is essential to understand neurological disorders. Frontiers in Systems Neuroscience, 2010, 4, .	1.2	68
519	Studying Network Mechanisms Using Intracranial Stimulation in Epileptic Patients. Frontiers in Systems Neuroscience, 2010, 4, 148.	1.2	71

#	Article	IF	CITATIONS
520	Children with Reading Disability Show Brain Differences in Effective Connectivity for Visual, but Not Auditory Word Comprehension. PLoS ONE, 2010, 5, e13492.	1.1	24
523	Perceptual Decisions Formed by Accumulation of Audiovisual Evidence in Prefrontal Cortex. Journal of Neuroscience, 2010, 30, 7434-7446.	1.7	137
524	Distinct Functional Contributions of Primary Sensory and Association Areas to Audiovisual Integration in Object Categorization. Journal of Neuroscience, 2010, 30, 2662-2675.	1.7	169
525	Reading Aloud Boosts Connectivity through the Putamen. Cerebral Cortex, 2010, 20, 570-582.	1.6	65
526	Corticocortical Connections Mediate Primary Visual Cortex Responses to Auditory Stimulation in the Blind. Journal of Neuroscience, 2010, 30, 12798-12805.	1.7	130
527	Audiovisual Synchrony Improves Motion Discrimination via Enhanced Connectivity between Early Visual and Auditory Areas. Journal of Neuroscience, 2010, 30, 12329-12339.	1.7	156
528	Generalised Filtering. Mathematical Problems in Engineering, 2010, 2010, 1-34.	0.6	113
529	SPATIO-TEMPORAL CORRELATIONS FROM fMRI TIME SERIES BASED ON THE NN-ARx MODEL. Journal of Integrative Neuroscience, 2010, 09, 381-406.	0.8	2
530	Reactive Mechanism of Cognitive Control System. Cerebral Cortex, 2010, 20, 2675-2683.	1.6	31
531	Reading Networks at Rest. Cerebral Cortex, 2010, 20, 2549-2559.	1.6	126
532	ANATOMICALLY-CONSTRAINED EFFECTIVE CONNECTIVITY AMONG LAYERS IN A CORTICAL COLUMN MODELED AND ESTIMATED FROM LOCAL FIELD POTENTIALS. Journal of Integrative Neuroscience, 2010, 09, 355-379.	0.8	25
533	Functional Brain Imaging in Schizophrenia: Selected Results and Methods. Current Topics in Behavioral Neurosciences, 2010, 4, 181-214.	0.8	58
534	Advances and pitfalls in the analysis and interpretation of resting-state FMRI data. Frontiers in Systems Neuroscience, 2010, 4, 8.	1.2	746
535	The causal relationship between subcortical local field potential oscillations and Parkinsonian resting tremor. Journal of Neural Engineering, 2010, 7, 016009.	1.8	89
536	Interacting Outcome Retrieval, Anticipation, and Feedback Processes in the Human Brain. Cerebral Cortex, 2010, 20, 271-281.	1.6	11
537	Multivariate Granger causality and generalized variance. Physical Review E, 2010, 81, 041907.	0.8	189
538	Dynamic functional reorganization of the motor execution network after stroke. Brain, 2010, 133, 1224-1238.	3.7	547
539	The Human Basal Ganglia Modulate Frontal-Posterior Connectivity during Attention Shifting. Journal of Neuroscience. 2010. 30. 9910-9918.	1.7	142

		CITATION RE	PORT	
#	Article		IF	CITATIONS
540	Nonlinear Coupling in the Human Motor System. Journal of Neuroscience, 2010, 30, 83	393-8399.	1.7	50
541	Strengthening of Top-Down Frontal Cognitive Control Networks Underlying the Develo Inhibitory Control: A Functional Magnetic Resonance Imaging Effective Connectivity St Neuroscience, 2010, 30, 15535-15545.	opment of udy. Journal of	1.7	264
542	Axonal Velocity Distributions in Neural Field Equations. PLoS Computational Biology, 2 e1000653.	010, 6,	1.5	58
543	Comparing Families of Dynamic Causal Models. PLoS Computational Biology, 2010, 6,	e1000709.	1.5	606
544	Comparing Intrinsic Connectivity Models for the Primary Auditory Cortices. , 2010, , .			1
545	Rhythmic Dynamics and Synchronization via Dimensionality Reduction: Application to PLoS Computational Biology, 2010, 6, e1001033.	Human Gait.	1.5	37
546	Noradrenergic Modulation of Cortical Networks Engaged in Visuomotor Processing. Ce Cortex, 2010, 20, 783-797.	prebral	1.6	75
547	Dynamical Causal Modeling from a Quantum Dynamical Perspective. , 2010, , .			0
548	Functional and Structural Connectivity of the Motor Network in Pediatric and Adult-Or Relapsing-Remitting Multiple Sclerosis. Radiology, 2010, 254, 541-550.	iset	3.6	72
549	Reward and Punishment Processing in Depression. Biological Psychiatry, 2010, 68, 118	-124.	0.7	458
550	A dynamic causal model study of neuronal population dynamics. NeuroImage, 2010, 5	1, 91-101.	2.1	48
551	â€~Do I like this person?' A network analysis of midline cortex during a social prefer NeuroImage, 2010, 51, 930-939.	rence task.	2.1	33
552	Prior auditory information shapes visual category-selectivity in ventral occipito-tempor NeuroImage, 2010, 52, 1592-1602.	al cortex.	2.1	35
553	Estimating coupling direction between neuronal populations with permutation conditi information. Neurolmage, 2010, 52, 497-507.	onal mutual	2.1	92
554	Dynamic Causal Modelling and physiological confounds: A functional MRI study of vag stimulation. Neurolmage, 2010, 52, 1456-1464.	us nerve	2.1	53
555	Analyzing the connectivity between regions of interest: An approach based on cluster causality for fMRI data analysis. NeuroImage, 2010, 52, 1444-1455.	Granger	2.1	49
556	Effective connectivity of cortical and subcortical regions during unification of sentence NeuroImage, 2010, 52, 1633-1644.	structure.	2.1	48
557	Dynamic Granger causality based on Kalman filter for evaluation of functional network in fMRI data. NeuroImage, 2010, 53, 65-77.	connectivity	2.1	94

#	Article	IF	CITATIONS
558	The role of the left anterior temporal lobe in the semantic processing of famous faces. Neurolmage, 2010, 53, 674-681.	2.1	48
559	Neural Control of Cross-language Asymmetry in the Bilingual Brain. Cerebral Cortex, 2010, 20, 2244-2251.	1.6	20
560	Deriving difference between the Bayesian networks based patterns of the effective connectivity using permutation test in fMRI studies. , 2010, , .		1
561	Challenges and limitations of quantifying brain connectivity <i>in vivo</i> with diffusion MRI. Imaging in Medicine, 2010, 2, 341-355.	0.0	284
562	Estimation of directional coupling between cortical areas using Near-Infrared Spectroscopy (NIRS). Optics Express, 2010, 18, 5730.	1.7	29
563	Passively viewing negatively valenced baby faces attenuates left amygdala activity in healthy females scoring high on †Harm Avoidance'. Neuroscience Letters, 2010, 478, 97-101.	1.0	23
564	Dynamic causal modelling of anticipatory skin conductance responses. Biological Psychology, 2010, 85, 163-170.	1.1	79
565	Altered effective connectivity and anomalous anatomy in the basal ganglia-thalamocortical circuit of stuttering speakers. Cortex, 2010, 46, 49-67.	1.1	143
566	Orienting of spatial attention and the interplay between the senses. Cortex, 2010, 46, 282-297.	1.1	91
567	Dissociating cognitive from affective theory of mind: A TMS study. Cortex, 2010, 46, 769-780.	1.1	326
568	Right prefrontal HF-rTMS attenuates right amygdala processing of negatively valenced emotional stimuli in healthy females. Behavioural Brain Research, 2010, 214, 450-455.	1.2	84
569	Large-scale brain networks in cognition: emerging methods and principles. Trends in Cognitive Sciences, 2010, 14, 277-290.	4.0	1,953
570	The neural basis of the speedâ \in "accuracy tradeoff. Trends in Neurosciences, 2010, 33, 10-16.	4.2	574
571	Modulation of effective connectivity during emotional processing by Δ9-tetrahydrocannabinol and cannabidiol. International Journal of Neuropsychopharmacology, 2010, 13, 421.	1.0	134
572	Identification of Directional Couplings. Springer Series in Synergetics, 2010, , 319-348.	0.2	1
573	Cognitive Neuroscience: The Troubled Marriage of Cognitive Science and Neuroscience. Topics in Cognitive Science, 2010, 2, 398-406.	1.1	18
574	Scaling errors in measures of brain activity cause erroneous estimates of effective connectivity. NeuroImage, 2010, 49, 621-630.	2.1	2
575	Dynamic Causal Modeling applied to fMRI data shows high reliability. NeuroImage, 2010, 49, 603-611.	2.1	58

#	Article	IF	CITATIONS
576	Cingulate activity and fronto-temporal connectivity in people with prodromal signs of psychosis. NeuroImage, 2010, 49, 947-955.	2.1	77
577	Does function follow form?: Methods to fuse structural and functional brain images show decreased linkage in schizophrenia. NeuroImage, 2010, 49, 2626-2637.	2.1	44
578	Learning partially directed functional networks from meta-analysis imaging data. Neurolmage, 2010, 49, 1372-1384.	2.1	21
579	Complex network measures of brain connectivity: Uses and interpretations. NeuroImage, 2010, 52, 1059-1069.	2.1	9,280
580	The integration of large-scale neural network modeling and functional brain imaging in speech motor control. NeuroImage, 2010, 52, 862-874.	2.1	165
581	Combining functional and anatomical connectivity reveals brain networks for auditory language comprehension. NeuroImage, 2010, 49, 3187-3197.	2.1	246
582	Ten simple rules for dynamic causal modeling. NeuroImage, 2010, 49, 3099-3109.	2.1	712
583	Multi-subject analyses with dynamic causal modeling. NeuroImage, 2010, 49, 3065-3074.	2.1	61
584	A comparison of permutation and parametric testing for between group effective connectivity differences using DCM. Neurolmage, 2010, 50, 509-515.	2.1	12
585	Effect of hemodynamic variability on Granger causality analysis of fMRI. NeuroImage, 2010, 52, 884-896.	2.1	169
586	Competition between learned reward and error outcome predictions in anterior cingulate cortex. NeuroImage, 2010, 49, 3210-3218.	2.1	40
587	Sadness enhances the experience of pain via neural activation in the anterior cingulate cortex and amygdala: An fMRI study. NeuroImage, 2010, 50, 1194-1201.	2.1	80
588	Identification and validation of effective connectivity networks in functional magnetic resonance imaging using switching linear dynamic systems. NeuroImage, 2010, 52, 1027-1040.	2.1	43
589	The amodal system for conscious word and picture identification in the absence of a semantic task. NeuroImage, 2010, 49, 3295-3307.	2.1	33
590	Modulating cortical connectivity in stroke patients by rTMS assessed with fMRI and dynamic causal modeling. NeuroImage, 2010, 50, 233-242.	2.1	313
591	Computational and dynamic models in neuroimaging. NeuroImage, 2010, 52, 752-765.	2.1	117
592	Dynamic causal modelling of effective connectivity from fMRI: Are results reproducible and sensitive to Parkinson's disease and its treatment?. NeuroImage, 2010, 52, 1015-1026.	2.1	128
593	Neural processing of negative word stimuli concerning body image in patients with eating disorders: An fMRI study. NeuroImage, 2010, 50, 1333-1339.	2.1	82

#	Article	IF	CITATIONS
594	Confirming white matter fMRI activation in the corpus callosum: Co-localization with DTI tractography. NeuroImage, 2010, 50, 616-621.	2.1	81
595	A parallel framework for simultaneous EEG/fMRI analysis: Methodology and simulation. NeuroImage, 2010, 52, 1123-1134.	2.1	50
596	Multi-area neural mass modeling of EEG and MEG signals. NeuroImage, 2010, 52, 793-811.	2.1	42
597	Large-scale neural dynamics: Simple and complex. NeuroImage, 2010, 52, 731-739.	2.1	147
598	Multisensory Object Perception in the Primate Brain. , 2010, , .		10
599	Effective Connectivity of the Fronto-parietal Network during Attentional Control. Journal of Cognitive Neuroscience, 2010, 22, 543-553.	1.1	118
600	Extracting Knowledge From Time Series. Springer Series in Synergetics, 2010, , .	0.2	71
601	Overcoming status quo bias in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6005-6009.	3.3	137
602	The default-mode, ego-functions and free-energy: a neurobiological account of Freudian ideas. Brain, 2010, 133, 1265-1283.	3.7	465
603	Neuronal networks in children with continuous spikes and waves during slow sleep. Brain, 2010, 133, 2798-2813.	3.7	139
604	Application of Granger causality analysis to effective connectivity of the default-mode network. , 2010, , .		1
605	Brain networks: Foundations and futures in bipolar disorder. Journal of Mental Health, 2010, 19, 157-167.	1.0	16
606	Dynamic causal modelling for schizophrenia. , 2011, , .		0
607	Measuring the Consistency of Global Functional Connectivity Using Kernel Regression Methods. , 2011, , .		6
608	EEG-fMRI measures of functional brain connectivity in epilepsy. , 2011, , .		3
609	Estimation of cortical connectivity from E/MEG using nonlinear state-space models. , 2011, , .		3
610	Transcallosal transfer of information and functional asymmetry of the human brain. Laterality, 2011, 16, 35-74.	0.5	72
611	Analysis of Multimodal Neuroimaging Data. IEEE Reviews in Biomedical Engineering, 2011, 4, 26-58.	13.1	122

	CITATION	Report	
#	Article	IF	CITATIONS
612	Abnormal Amygdalar Activation and Connectivity in Adolescents With Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2011, 50, 828-837.e3.	0.3	112
613	Multiple Routes from Occipital to Temporal Cortices during Reading. Journal of Neuroscience, 2011, 31, 8239-8247.	1.7	100
614	The schizophrenic brain: A broken hermeneutic circle. Some new insights and results. , 2011, , .		1
615	Brain causality investigation based on FMRI images time series using dynamic causal modelling augmented by Granger Causality. , 2011, , .		0
616	Co-activation patterns distinguish cortical modules, their connectivity and functional differentiation. NeuroImage, 2011, 57, 938-949.	2.1	449
617	Magnetic resonance imaging postprocessing techniques in the study of brain connectivity. Radiologia, 2011, 53, 236-245.	0.3	6
618	General and Specific Functional Connectivity Disturbances in First-Episode Schizophrenia During Cognitive Control Performance. Biological Psychiatry, 2011, 70, 64-72.	0.7	255
619	Electrical Tongue Stimulation Normalizes Activity Within the Motion-Sensitive Brain Network in Balance-Impaired Subjects as Revealed by Group Independent Component Analysis. Brain Connectivity, 2011, 1, 255-265.	0.8	28
620	Top-down modulation of ventral occipito-temporal responses during visual word recognition. NeuroImage, 2011, 55, 1242-1251.	2.1	106
621	Consistent spectral predictors for dynamic causal models of steady-state responses. NeuroImage, 2011, 55, 1694-1708.	2.1	66
622	Dynamic causal modeling of cortical activity from the acute to the chronic stage after stroke. NeuroImage, 2011, 55, 1147-1158.	2.1	274
623	Pattern-information analysis: From stimulus decoding to computational-model testing. NeuroImage, 2011, 56, 411-421.	2.1	179
624	Generalised filtering and stochastic DCM for fMRI. NeuroImage, 2011, 58, 442-457.	2.1	177
625	Full-brain auto-regressive modeling (FARM) using fMRI. NeuroImage, 2011, 58, 416-441.	2.1	40
626	Dynamic modeling of neuronal responses in fMRI using cubature Kalman filtering. NeuroImage, 2011, 56, 2109-2128.	2.1	170
627	Large-scale directional connections among multi resting-state neural networks in human brain: A functional MRI and Bayesian network modeling study. NeuroImage, 2011, 56, 1035-1042.	2.1	49
628	Networks, noise and models: Reconceptualizing the brain as a complex, distributed system. NeuroImage, 2011, 58, 293-295.	2.1	16
629	Post hoc Bayesian model selection. NeuroImage, 2011, 56, 2089-2099.	2.1	222

#	Article	IF	Citations
630	Role of local network oscillations in resting-state functional connectivity. NeuroImage, 2011, 57, 130-139.	2.1	467
631	The impact of physiological noise correction on fMRI at 7 T. NeuroImage, 2011, 57, 101-112.	2.1	199
632	Dynamic neural networks supporting memory retrieval. NeuroImage, 2011, 57, 608-616.	2.1	123
633	Inhibition in early Alzheimer's disease: An fMRI-based study of effective connectivity. NeuroImage, 2011, 57, 1131-1139.	2.1	41
634	Dynamic interactions in the fronto-parietal network during a manual stimulus–response compatibility task. NeuroImage, 2011, 58, 860-869.	2.1	37
635	Model-based dynamical analysis of functional disconnection in schizophrenia. NeuroImage, 2011, 58, 870-877.	2.1	37
636	Multi-subject search correctly identifies causal connections and most causal directions in the DCM models of the Smith et al. simulation study. NeuroImage, 2011, 58, 838-848.	2.1	94
637	Nonlinear connectivity by Granger causality. NeuroImage, 2011, 58, 330-338.	2.1	143
638	Wiener–Granger Causality: A well established methodology. NeuroImage, 2011, 58, 323-329.	2.1	734
639	Decoding of coherent but not incoherent motion signals in early dorsal visual cortex. NeuroImage, 2011, 56, 688-698.	2.1	7
640	Model-based feature construction for multivariate decoding. NeuroImage, 2011, 56, 601-615.	2.1	29
641	Decoding brain states from fMRI connectivity graphs. NeuroImage, 2011, 56, 616-626.	2.1	263
642	Functional connectivity analysis of fMRI data using parameterized regions-of-interest. NeuroImage, 2011, 54, 410-416.	2.1	5
643	A cerebellar thalamic cortical circuit for error-related cognitive control. NeuroImage, 2011, 54, 455-464.	2.1	152
644	Effective connectivity anomalies in human amblyopia. NeuroImage, 2011, 54, 505-516.	2.1	53
645	On meta-analyses of imaging data and the mixture of records. NeuroImage, 2011, 57, 323-330.	2.1	15
646	Depression alters "top-down―visual attention: A dynamic causal modeling comparison between depressed and healthy subjects. NeuroImage, 2011, 54, 1662-1668.	2.1	82
647	Network modelling methods for FMRI. NeuroImage, 2011, 54, 875-891.	2.1	1,588

ARTICLE IF CITATIONS Evaluation of effective connectivity of motor areas during motor imagery and execution using 648 2.1 150 conditional Granger causality. NeuroImage, 2011, 54, 1280-1288. Instantaneous and causal connectivity in resting state brain networks derived from functional MRI 649 2.1 180 data. Neurolmage, 2011, 54, 1043-1052. Effective connectivity analysis demonstrates involvement of premotor cortex during speech 650 2.1 95 perception. NeuroImage, 2011, 54, 2437-2445. Graphical models, potential outcomes and causal inference: Comment on Ramsey, Spirtes and Glymour. NeuroImage, 2011, 57, 334-336. Effective connectivity of fMRI data using ancestral graph theory: Dealing with missing regions. 652 2.1 28 NeuroImage, 2011, 54, 2695-2705. Changes in brain network activity during working memory tasks: A magnetoencephalography study. NeuroImage, 2011, 55, 1804-1815. 2.1 138 Spatio-temporal indications of sub-cortical involvement in leftward bias of spatial attention. 654 2.1 21 NeuroImage, 2011, 54, 3010-3020. Neural fields, spectral responses and lateral connections. NeuroImage, 2011, 55, 39-48. 2.1 656 Network discovery with DCM. NeuroImage, 2011, 56, 1202-1221. 2.1 248 Particle Smoothing in Continuous Time: A Fast Approach via Density Estimation. IEEE Transactions on 3.2 Signal Processing, 2011, 59, 1017-1026. Functional and Effective Connectivity: A Review. Brain Connectivity, 2011, 1, 13-36. 658 2,633 0.8 Approaches for the Integrated Analysis of Structure, Function and Connectivity of the Human Brain. 105 Clinical EEG and Neuroscience, 2011, 42, 107-121. 662 The Dynamical Balance of the Brain at Rest. Neuroscientist, 2011, 17, 107-123. 2.6 282 Prefrontal-Occipitoparietal Coupling Underlies Late Latency Human Neuronal Responses to Emotion. Journal of Neuroscience, 2011, 31, 17278-17286. 1.7 101 The effect of one left-sided dorsolateral prefrontal sham-controlled HF-rTMS session on approach 664 0.7 18 and withdrawal related emotional neuronal processes. Clinical Neurophysiology, 2011, 122, 2217-2226. Effective connectivity analysis of fMRI and MEG data collected under identical paradigms. Computers 36 in Biology and Medicine, 2011, 41, 1156-1165. Review of advanced techniques for the estimation of brain connectivity measured with EEG/MEG. 666 3.9 564 Computers in Biology and Medicine, 2011, 41, 1110-1117. Vector autoregression, structural equation modeling, and their synthesis in neuroimaging data analysis. Computers in Biology and Medicine, 2011, 41, 1142-1155.

#	Article	IF	CITATIONS
668	Exploring intermediate phenotypes with EEG: Working memory dysfunction in schizophrenia. Behavioural Brain Research, 2011, 216, 481-495.	1.2	46
669	The structural and functional connectivity of the amygdala: From normal emotion to pathological anxiety. Behavioural Brain Research, 2011, 223, 403-410.	1.2	741
670	Informational Theories of Consciousness: A Review and Extension. Advances in Experimental Medicine and Biology, 2011, 718, 139-147.	0.8	6
671	Brain Graphs: Graphical Models of the Human Brain Connectome. Annual Review of Clinical Psychology, 2011, 7, 113-140.	6.3	943
672	Are posterior default-mode networks more robust than anterior default-mode networks? Evidence from resting-state fMRI data analysis. Neuroscience Letters, 2011, 498, 57-62.	1.0	27
673	Development of a variational scheme for model inversion of multi-area model of brain. Part I: Simulation evaluation. Mathematical Biosciences, 2011, 229, 64-75.	0.9	4
674	Developing connections for affective regulation: Age-related changes in emotional brain connectivity. Journal of Experimental Child Psychology, 2011, 108, 607-620.	0.7	175
675	Semantic association investigated with functional MRI and independent component analysis. Epilepsy and Behavior, 2011, 20, 613-622.	0.9	69
676	The effects of left or right hemispheric epilepsy on language networks investigated with semantic decision fMRI task and independent component analysis. Epilepsy and Behavior, 2011, 20, 623-632.	0.9	31
677	Recent developments of functional magnetic resonance imaging research for drug development in Alzheimer's disease. Progress in Neurobiology, 2011, 95, 570-578.	2.8	22
678	Cholinergic modulation of cognition: Insights from human pharmacological functional neuroimaging. Progress in Neurobiology, 2011, 94, 360-388.	2.8	155
679	Functional biomarkers for neurodegenerative disorders based on the network paradigm. Progress in Neurobiology, 2011, 95, 505-509.	2.8	22
680	Multivariate dynamical systems models for estimating causal interactions in fMRI. NeuroImage, 2011, 54, 807-823.	2.1	123
681	Effective connectivity: Influence, causality and biophysical modeling. NeuroImage, 2011, 58, 339-361.	2.1	361
682	Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State. Science, 2011, 332, 858-862.	6.0	444
683	Neuronal and hemodynamic source modeling of optogenetic BOLD signals. , 2011, , .		3
684	The identification of interacting networks in the brain using fMRI: Model selection, causality and deconvolution. NeuroImage, 2011, 58, 296-302.	2.1	195
685	fMRI connectivity, meaning and empiricism. NeuroImage, 2011, 58, 306-309.	2.1	44

ARTICLE IF CITATIONS # Dynamic causal modelling: A critical review of the biophysical and statistical foundations. 686 2.1266 NeuroImage, 2011, 58, 312-322. Investigations of Brain Network Alterations in Epilepsy Using Functional Magnetic Resonance Imaging. , 0, , . 688 EEG-fMRI Multimodal Integration for Epilepsy Research., 0, , . 0 Abnormal Left-Sided Orbitomedial Prefrontal Cortical?Amygdala Connectivity during Happy and Fear Face Processing: A Potential Neural Mechanism of Female MDD. Frontiers in Psychiatry, 2011, 2, 69. Alteration and reorganization of functional networks: a new perspective in brain injury study. 690 1.0 26 Frontiers in Human Neuroscience, 2011, 5, 90. Concepts of Connectivity and Human Epileptic Activity. Frontiers in Systems Neuroscience, 2011, 5, 12. 1.2 A Linear Structural Equation Model for Covert Verb Generation Based on Independent Component 692 1.2 23 Analysis of fMRI Data from Children and Adolescents. Frontiers in Systems Neuroscience, 2011, 5, 29. The Role of Long-Range Connectivity for the Characterization of the Functional–Anatomical 1.2 Organization of the Cortex. Frontiers in Systems Neuroscience, 2011, 5, 58. Complex Interaction of Sensory and Motor Signs and Symptoms in Chronic CRPS. PLoS ONE, 2011, 6, 694 1.1 40 e18775. Frontal-to-Parietal Top-Down Causal Streams along the Dorsal Attention Network Exclusively 1.1 Mediate Voluntary Orienting of Attention. PLoS ONE, 2011, 6, e20079. Metacognition in monkeys during an oculomotor task.. Journal of Experimental Psychology: Learning 696 42 0.7 Memory and Cognition, 2011, 37, 325-337. A nonstationary nonparametric Bayesian approach to dynamically modeling effective connectivity in 0.5 functional magnetic resonance imáging experiments. Annals of Ápplied Statistics, 2011, 5, . An overview of functional, structural and neurochemical imaging studies in individuals with a 698 0.4 7 clinical high risk for psychosis. Neuropsychiatry, 2011, 1, 477-493. Towards a model-based integration of co-registered electroencephalography/functional magnetic resonance imaging data with realistic neural population meshes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3785-3801. 699 1.6 Disconnection of Frontal and Parietal Areas Contributes to Impaired Attention in Very Early 700 1.2 79 Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 25, 309-321. A Spectral Graphical Model Approach for Learning Brain Connectivity Network of Children's Narrative Comprehension. Brain Connectivity, 2011, 1, 389-400. A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. 702 1.2 25 European Journal of Neuroscience, 2011, 33, 1256-1263. Neuroeconomics: Investigating the Neurobiology of Choice. Australian Economic Review, 2011, 44, 0.4 215-224.

#	ARTICLE	IF	CITATIONS
704	Dynamic causal modeling of spontaneous fluctuations in skin conductance. Psychophysiology, 2011, 48, 252-257.	1.2	44
705	A dynamic causal modeling analysis of the effective connectivities underlying top-down letter processing. Neuropsychologia, 2011, 49, 1177-1186.	0.7	7
707	Transfer entropy in magnetoencephalographic data: Quantifying information flow in cortical and cerebellar networks. Progress in Biophysics and Molecular Biology, 2011, 105, 80-97.	1.4	166
708	BrainModes: The role of neuronal oscillations in health and disease. Progress in Biophysics and Molecular Biology, 2011, 105, 1-4.	1.4	7
709	Using interleaved transcranial magnetic stimulation/functional magnetic resonance imaging (fMRI) and dynamic causal modeling to understand the discrete circuit specific changes of medications: Lamotrigine and valproic acid changes in motor or prefrontal effective connectivity. Psychiatry Research - Neuroimaging, 2011, 194, 141-148.	0.9	40
710	Electrophysiological Imaging of Brain Activity and Connectivity—Challenges and Opportunities. IEEE Transactions on Biomedical Engineering, 2011, 58, 1918-1931.	2.5	239
711	Multiscale Causal Connectivity Analysis by Canonical Correlation: Theory and Application to Epileptic Brain. IEEE Transactions on Biomedical Engineering, 2011, 58, 3088-3096.	2.5	25
712	A Model Selection Method for Nonlinear System Identification Based fMRI Effective Connectivity Analysis. IEEE Transactions on Medical Imaging, 2011, 30, 1365-1380.	5.4	14
713	Uncovering the visual "alphabet― Advances in our understanding of object perception. Vision Research, 2011, 51, 782-799.	0.7	54
714	TRENTOOL: A Matlab open source toolbox to analyse information flow in time series data with transfer entropy. BMC Neuroscience, 2011, 12, 119.	0.8	189
715	The BrainMap strategy for standardization, sharing, and meta-analysis of neuroimaging data. BMC Research Notes, 2011, 4, 349.	0.6	214
716	Seeing Chinese characters in action: An fMRI study of the perception of writing sequences. Brain and Language, 2011, 119, 60-67.	0.8	19
717	Reconstructing Visual Experiences from Brain Activity Evoked by Natural Movies. Current Biology, 2011, 21, 1641-1646.	1.8	722
718	Estimating the directed information to infer causal relationships in ensemble neural spike train recordings. Journal of Computational Neuroscience, 2011, 30, 17-44.	0.6	245
719	Transfer entropy—a model-free measure of effective connectivity for the neurosciences. Journal of Computational Neuroscience, 2011, 30, 45-67.	0.6	753
720	Multivariate information-theoretic measures reveal directed information structure and task relevant changes in fMRI connectivity. Journal of Computational Neuroscience, 2011, 30, 85-107.	0.6	165
721	Abnormal ERD/ERS but Unaffected BOLD Response in Patients with Unverricht–Lundborg Disease During Index Extension: A Simultaneous EEG-fMRI Study. Brain Topography, 2011, 24, 65-77.	0.8	15
722	Block coherence: a method for measuring the interdependence between two blocks of neurobiological time series. Biological Cybernetics, 2011, 104, 197-207.	0.6	18

#	Article	IF	CITATIONS
723	Modeling habituation in rat EEG-evoked responses via a neural mass model with feedback. Biological Cybernetics, 2011, 105, 371-397.	0.6	5
724	Investigating human audio-visual object perception with a combination of hypothesis-generating and hypothesis-testing fMRI analysis tools. Experimental Brain Research, 2011, 213, 309-320.	0.7	9
725	Nonlinear Dynamics of Emotion-Cognition Interaction: When Emotion Does not Destroy Cognition?. Bulletin of Mathematical Biology, 2011, 73, 266-284.	0.9	28
726	From Blood Oxygenation Level Dependent (BOLD) Signals to Brain Temperature Maps. Bulletin of Mathematical Biology, 2011, 73, 2731-2747.	0.9	21
727	A few thoughts on brain ROIs. Brain Imaging and Behavior, 2011, 5, 189-202.	1.1	49
728	Noradrenergic enhancement improves motor network connectivity in stroke patients. Annals of Neurology, 2011, 69, 375-388.	2.8	106
729	Altered default mode network connectivity in alzheimer's disease—A resting functional MRI and bayesian network study. Human Brain Mapping, 2011, 32, 1868-1881.	1.9	172
730	Limitation of physical performance in a muscle fatiguing handgrip exercise is mediated by thalamoâ€insular activity. Human Brain Mapping, 2011, 32, 2151-2160.	1.9	65
731	Investigation of spectrally coherent restingâ€state networks using nonâ€negative matrix factorization for functional MRI data. International Journal of Imaging Systems and Technology, 2011, 21, 211-222.	2.7	20
732	What can emerging cortical face networks tell us about mature brain organisation?. Developmental Cognitive Neuroscience, 2011, 1, 246-255.	1.9	23
733	The use of transcranial magnetic stimulation in cognitive neuroscience: A new synthesis of methodological issues. Neuroscience and Biobehavioral Reviews, 2011, 35, 516-536.	2.9	284
734	The social brain in adolescence: Evidence from functional magnetic resonance imaging and behavioural studies. Neuroscience and Biobehavioral Reviews, 2011, 35, 1654-1664.	2.9	311
735	Serotonin Transporter Genotype Modulates Subgenual Response to Fearful Faces Using an Incidental Task. Journal of Cognitive Neuroscience, 2011, 23, 3681-3693.	1.1	31
736	Top-down Modulations in the Visual Form Pathway Revealed with Dynamic Causal Modeling. Cerebral Cortex, 2011, 21, 550-562.	1.6	69
737	Brain effective connectivity modeling for alzheimer's disease by sparse gaussian bayesian network. , 2011, , 931-939.		24
738	EEG and MEG Data Analysis in SPM8. Computational Intelligence and Neuroscience, 2011, 2011, 1-32.	1.1	500
739	Mental Rotation Meets the Motion Aftereffect: The Role of hV5/MT+ in Visual Mental Imagery. Journal of Cognitive Neuroscience, 2011, 23, 1395-1404.	1.1	33
741	Nonlinear granger causality for brain connectivity. , 2011, , .		0

#	Article	IF	CITATIONS
742	Estimation of neuronal responses from fMRI data. , 2011, 2011, 8122-5.		0
743	Brain as a self-predictor: Sparse full-brain auto-regressive modeling in fMRI. , 2011, , .		0
744	Development of a variational Bayesian expectation maximization (VBEM) method for model inversion of multi-area E/MEG model. , 2011, , .		0
745	Prior Expectation Modulates the Interaction between Sensory and Prefrontal Regions in the Human Brain. Journal of Neuroscience, 2011, 31, 10741-10748.	1.7	113
746	Interactive brains, social minds. Communicative and Integrative Biology, 2011, 4, 655-663.	0.6	66
747	Personality influences the neural responses to viewing facial expressions of emotion. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1684-1701.	1.8	87
748	The Control of Mimicry by Eye Contact Is Mediated by Medial Prefrontal Cortex. Journal of Neuroscience, 2011, 31, 12001-12010.	1.7	136
749	Effective Connectivity Determines the Nature of Subjective Experience in Grapheme-Color Synesthesia. Journal of Neuroscience, 2011, 31, 9879-9884.	1.7	109
750	Face categorization in visual scenes may start in a higher order area of the right fusiform gyrus: evidence from dynamic visual stimulation in neuroimaging. Journal of Neurophysiology, 2011, 106, 2720-2736.	0.9	48
751	Joint EEG/fMRI state space model for the detection of directed interactions in human brains—a simulation study. Physiological Measurement, 2011, 32, 1725-1736.	1.2	17
752	Parallel Processing of Nociceptive and Non-nociceptive Somatosensory Information in the Human Primary and Secondary Somatosensory Cortices: Evidence from Dynamic Causal Modeling of Functional Magnetic Resonance Imaging Data. Journal of Neuroscience, 2011, 31, 8976-8985.	1.7	74
753	Effective Connectivity during Processing of Facial Affect: Evidence for Multiple Parallel Pathways. Journal of Neuroscience, 2011, 31, 14378-14385.	1.7	84
754	What's behind a Face: Person Context Coding in Fusiform Face Area as Revealed by Multivoxel Pattern Analysis. Cerebral Cortex, 2011, 21, 2893-2899.	1.6	12
755	Changes in "Top-Down―Connectivity Underlie Repetition Suppression in the Ventral Visual Pathway. Journal of Neuroscience, 2011, 31, 5635-5642.	1.7	101
756	Is Neocortical–Hippocampal Connectivity a Better Predictor of Subsequent Recollection than Local Increases in Hippocampal Activity? New Insights on the Role of Priming. Journal of Cognitive Neuroscience, 2011, 23, 391-403.	1.1	34
757	Division of Labor between Lateral and Ventral Extrastriate Representations of Faces, Bodies, and Objects. Journal of Cognitive Neuroscience, 2011, 23, 4122-4137.	1.1	70
758	Optimization of functional brain ROIs via maximization of consistency of structural connectivity profiles. , 2011, , .		4
759	Directional connectivity of resting state human fMRI data using cascaded ICA-PDC analysis. Acta Radiologica, 2011, 52, 1037-1042.	0.5	9

#	Article	IF	CITATIONS
760	Contextual Knowledge Configures Attentional Control Networks. Journal of Neuroscience, 2011, 31, 18026-18035.	1.7	86
761	The Role of Rhythmic Neural Synchronization in Rest and Task Conditions. Frontiers in Human Neuroscience, 2011, 5, 4.	1.0	39
762	NEAR-INFRARED IMAGING SENSOR WITH IMPROVED HANDLING AND DIRECT LOCALIZATION IN SIMULTANEOUS MAGNETIC RESONANCE IMAGING MEASUREMENTS. Journal of Innovative Optical Health Sciences, 2011, 04, 191-198.	0.5	0
763	Characteristics of voxel prediction power in full-brain Granger causality analysis of fMRI data. , 2011, ,		3
764	Reorganization of cerebral networks after stroke: new insights from neuroimaging with connectivity approaches. Brain, 2011, 134, 1264-1276.	3.7	489
765	The Anterior Insular Cortex Represents Breaches of Taste Identity Expectation. Journal of Neuroscience, 2011, 31, 14735-14744.	1.7	68
766	Dorsolateral Prefrontal Cortex Drives Mesolimbic Dopaminergic Regions to Initiate Motivated Behavior. Journal of Neuroscience, 2011, 31, 10340-10346.	1.7	224
767	Long-term music training tunes how the brain temporally binds signals from multiple senses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1441-50.	3.3	140
768	The Influence of Handedness on Hemispheric Interaction During Word Production: Insights from Effective Connectivity Analysis. Brain Connectivity, 2011, 1, 219-231.	0.8	13
769	Modules and brain mapping. Cognitive Neuropsychology, 2011, 28, 241-250.	0.4	51
770	Detection of Cerebral Reorganization Induced by Real-Time fMRI Feedback Training of Insula Activation. Neurorehabilitation and Neural Repair, 2011, 25, 259-267.	1.4	58
771	Quantifying information flowin fMRI using the Kullbakc-Leibler divergence. , 2011, , .		4
772	Predictive Coding and Pitch Processing in the Auditory Cortex. Journal of Cognitive Neuroscience, 2011, 23, 3084-3094.	1.1	61
773	Assessing directed information as a method for inferring functional connectivity in neural ensembles. , 2011, 2011, 7324-7.		1
774	A GPU accelerated interactive interface for exploratory functional connectivity analysis of FMRI data. , 2011, , .		8
775	Lateralization is Predicted by Reduced Coupling from the Left to Right Prefrontal Cortex during Semantic Decisions on Written Words. Cerebral Cortex, 2011, 21, 1519-1531.	1.6	67
776	Alterations in Brain Connectivity Underlying Beta Oscillations in Parkinsonism. PLoS Computational Biology, 2011, 7, e1002124.	1.5	160
777	Neural Correlates and Effective Connectivity of Subjective Colors during the Benham's Top Illusion: A Functional MRI Study. Cerebral Cortex, 2011, 21, 124-133.	1.6	11

#	Article	IF	CITATIONS
778	Dorsolateral Prefrontal Cortex Modulates Striatal Reward Encoding during Reappraisal of Reward Anticipation. Cerebral Cortex, 2011, 21, 2578-2588.	1.6	145
779	Optimizing Experimental Design for Comparing Models of Brain Function. PLoS Computational Biology, 2011, 7, e1002280.	1.5	40
780	Developmental Changes in Effective Connectivity in the Emerging Core Face Network. Cerebral Cortex, 2011, 21, 1389-1394.	1.6	118
781	Generative Embedding for Model-Based Classification of fMRI Data. PLoS Computational Biology, 2011, 7, e1002079.	1.5	145
782	Bidirectional Information Flow in Frontoamygdalar Circuits in Humans: A Dynamic Causal Modeling Study of Emotional Associative Learning. Cerebral Cortex, 2012, 22, 436-445.	1.6	15
783	Dynamic Effective Connectivity of Inter-Areal Brain Circuits. PLoS Computational Biology, 2012, 8, e1002438.	1.5	133
784	Progress in Root Cause and Fault Propagation Analysis of Large-Scale Industrial Processes. Journal of Control Science and Engineering, 2012, 2012, 1-10.	0.8	55
785	Critical Fluctuations in Cortical Models Near Instability. Frontiers in Physiology, 2012, 3, 331.	1.3	39
786	Quantification of Effective Connectivity in the Brain Using a Measure of Directed Information. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-16.	0.7	21
787	Tools of the trade: psychophysiological interactions and functional connectivity. Social Cognitive and Affective Neuroscience, 2012, 7, 604-609.	1.5	676
788	The neural correlates of Fitts's law in action observation: An fMRI study. Social Neuroscience, 2012, 7, 30-41.	0.7	13
789	Ventral and Dorsal Stream Interactions during the Perception of the MüIler-Lyer Illusion: Evidence Derived from fMRI and Dynamic Causal Modeling. Journal of Cognitive Neuroscience, 2012, 24, 2015-2029.	1.1	33
790	Using real-time fMRI to learn voluntary regulation of the anterior insula in the presence of threat-related stimuli. Social Cognitive and Affective Neuroscience, 2012, 7, 623-634.	1.5	110
791	Remote Effects of Hippocampal Sclerosis on Effective Connectivity during Working Memory Encoding: A Case of Connectional Diaschisis?. Cerebral Cortex, 2012, 22, 1225-1236.	1.6	56
792	Brain Connectivity Analysis: A Short Survey. Computational Intelligence and Neuroscience, 2012, 2012, 1-21.	1.1	109
793	Effective connectivity of AKT1-mediated dopaminergic working memory networks and pharmacogenetics of anti-dopaminergic treatment. Brain, 2012, 135, 1436-1445.	3.7	53
794	Framework to study dynamic dependencies in networks of interacting processes. Physical Review E, 2012, 86, 041901.	0.8	42
795	Repetition priming and repetition suppression: Multiple mechanisms in need of testing. Cognitive Neuroscience, 2012, 3, 250-259.	0.6	26

#	Article	IF	CITATIONS
796	Features versus Feelings: Dissociable Representations of the Acoustic Features and Valence of Aversive Sounds. Journal of Neuroscience, 2012, 32, 14184-14192.	1.7	121
797	Accelerating Computation of DCM for ERP with GPU-Based Parallel Strategy. , 2012, , .		0
798	Identification of nonlinear fMRI models using Auxiliary Particle Filter and kernel smoothing method. , 2012, 2012, 4212-6.		4
799	Repetition accelerates neural dynamics: In defense of facilitation models. Cognitive Neuroscience, 2012, 3, 240-241.	0.6	28
800	Predictive coding, precision and synchrony. Cognitive Neuroscience, 2012, 3, 238-239.	0.6	72
801	Causal Interactions in Attention Networks Predict Behavioral Performance. Journal of Neuroscience, 2012, 32, 1284-1292.	1.7	128
802	Interaction of catechol O-methyltransferase and serotonin transporter genes modulates effective connectivity in a facial emotion-processing circuitry. Translational Psychiatry, 2012, 2, e70-e70.	2.4	40
803	Explaining away repetition effects via predictive coding. Cognitive Neuroscience, 2012, 3, 239-240.	0.6	22
804	Neural Correlates of Multisensory Perceptual Learning. Journal of Neuroscience, 2012, 32, 6263-6274.	1.7	136
805	Disentangling motor execution from motor imagery with the phantom limb. Brain, 2012, 135, 582-595.	3.7	116
806	Ongoing Cortical Activity at Rest: Criticality, Multistability, and Ghost Attractors. Journal of Neuroscience, 2012, 32, 3366-3375.	1.7	605
807	Effective Connectivity of the Human Cerebellum during Visual Attention. Journal of Neuroscience, 2012, 32, 11453-11460.	1.7	88
808	Changes in Auditory Feedback Connections Determine the Severity of Speech Processing Deficits after Stroke. Journal of Neuroscience, 2012, 32, 4260-4270.	1.7	35
809	All in the timing: Priming, repetition suppression, and synchrony. Cognitive Neuroscience, 2012, 3, 244-246.	0.6	1
810	From Animal Model to Human Brain Networking: Dynamic Causal Modeling of Motivational Systems. Journal of Neuroscience, 2012, 32, 7218-7224.	1.7	14
811	Reduced Prefrontal-Parietal Effective Connectivity and Working Memory Deficits in Schizophrenia. Journal of Neuroscience, 2012, 32, 12-20.	1.7	205
812	Synchrony upon repetition: One or multiple neural mechanisms?. Cognitive Neuroscience, 2012, 3, 243-244.	0.6	3
813	Repetition suppression and repetition priming are processing outcomes. Cognitive Neuroscience, 2012, 3, 247-248.	0.6	8

#	Article	IF	CITATIONS
814	Altered Cingulostriatal Coupling in Obsessive–Compulsive Disorder. Brain Connectivity, 2012, 2, 191-202.	0.8	15
815	Dynamic State and Parameter Estimation Applied to Neuromorphic Systems. Neural Computation, 2012, 24, 1669-1694.	1.3	11
816	Advances in longitudinal MRI diagnostic tests. Expert Opinion on Medical Diagnostics, 2012, 6, 309-321.	1.6	5
817	Detection of cortical activation and effective connectivity using Dynamic Causal Modelling through functional magnetic resonance imaging. , 2012, , .		1
818	AdDressing Missing Nodes as Missing Data in Dynamic Causal Modeling. , 2012, , .		0
819	Association of Activity Changes in the Primary Sensory Cortex With Successful Motor Rehabilitation of the Hand Following Stroke. Neurorehabilitation and Neural Repair, 2012, 26, 881-888.	1.4	43
820	EEC/fMRI fusion based on independent component analysis: Integration of data-driven and model-driven methods. Journal of Integrative Neuroscience, 2012, 11, 313-337.	0.8	73
821	Deconstructing the Architecture of Dorsal and Ventral Attention Systems with Dynamic Causal Modeling. Journal of Neuroscience, 2012, 32, 10637-10648.	1.7	172
822	Category-Selective Background Connectivity in Ventral Visual Cortex. Cerebral Cortex, 2012, 22, 391-402.	1.6	105
823	Source Activity Correlation Effects on LCMV Beamformers in a Realistic Measurement Environment. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-8.	0.7	14
824	Effects of Nicotine on Emotional Reactivity in PTSD and Non-PTSD Smokers: Results of a Pilot fMRI Study. Advances in Pharmacological Sciences, 2012, 2012, 1-6.	3.7	8
825	A Computationally Efficient, Exploratory Approach to Brain Connectivity Incorporating False Discovery Rate Control,A PrioriKnowledge, and Group Inference. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-14.	0.7	7
826	Functional Graph Alterations in Schizophrenia: A Result from a Global Anatomic Decoupling?. Pharmacopsychiatry, 2012, 45, S57-S64.	1.7	36
827	Predicting Functional Cortical ROIs via DTI-Derived Fiber Shape Models. Cerebral Cortex, 2012, 22, 854-864.	1.6	97
828	Disordered Corticolimbic Interactions During Affective Processing in Children and Adolescents at Risk for Schizophrenia Revealed by Functional Magnetic Resonance Imaging and Dynamic Causal Modeling. Archives of General Psychiatry, 2012, 69, 231.	13.8	63
829	The Network Architecture of Cortical Processing in Visuo-spatial Reasoning. Scientific Reports, 2012, 2, 411.	1.6	28
831	THE EFFECTIVE CONNECTIVITY BETWEEN THE TWO PRIMARY MOTOR AREAS IN THE BRAIN DURING BILATERAL TAPPING OF HAND FINGERS. International Journal of Modern Physics Conference Series, 2012, 09, 398-405.	0.7	0
832	Functional magnetic resonance imaging. , 0, , 410-469.		0

ARTICLE IF CITATIONS # High-frequency neural activity and human cognition: Past, present and possible future of intracranial 834 2.8 383 EEG research. Progress in Neurobiology, 2012, 98, 279-301. To wake or not to wake? The two-sided nature of the human K-complex. NeuroImage, 2012, 59, 1631-1638. 2.1 Causal Connectivity Brain Network: A Novel Method of Motor Imagery Classification for 836 1 Brain-Computer Interface Applications., 2012,,. The Human Connectome Project: A data acquisition perspective. NeuroImage, 2012, 62, 2222-2231. 1,978 Stochastic dynamic causal modelling of fMRI data: Should we care about neural noise?. NeuroImage, 838 2.1 98 2012, 62, 464-481. Co-operative Populations of Neurons: Mean Field Models of Mesoscopic Brain Activity., 2012, , 317-364. Repetition priming and repetition suppression: A case for enhanced efficiency through neural 840 202 0.6 synchronization. Cognitive Neuroscience, 2012, 3, 227-237. Neurophysiological techniques for cortical connectivity. International Journal of Psychophysiology, 2012, 85, 280-282. Quantitative Evaluation of Activation State in Functional Brain Imaging. Brain Topography, 2012, 25, 842 0.8 7 362-373. The neural basis of autobiographical memory deficits in transient epileptic amnesia. 843 28 Neuropsychologia, 2012, 50, 3528-3541. Opposing Mechanisms Support the Voluntary Forgetting of Unwanted Memories. Neuron, 2012, 76, 844 271 3.8 450-460. Estimation of the haemodynamic response to epileptic activity in EEG-fMRI data., 2012,,. 845 FMRI based connectivity analysis of perisylvian language related brain areas., 2012,,. 846 0 Sample Size Estimation for Comparing Parameters Using Dynamic Causal Modeling. Brain Connectivity, 847 0.8 2012, 2, 80-90. 848 Frontal–Occipital Connectivity During Visual Search. Brain Connectivity, 2012, 2, 164-175. 0.8 29 A method based on the granger causality and graph kernels for discriminating resting state from 849 attentional task., 2012, , . Task, time and context as potential mediators of repetition priming effects. Cognitive Neuroscience, 850 0.6 0 2012, 3, 248-249. Comparing causality measures of fMRI data using PCA, CCA and vector autoregressive modelling., 2012, 2012, 6184-7

#	Article	IF	CITATIONS
852	Beats as the origin of slow fluctuations in the brain's default-mode network. , 2012, , .		0
853	An FDR-controlled, exploratory group modeling for assessing brain connectivity. , 2012, , .		2
854	Graphs for Dependence and Causality in Multivariate Time Series. , 2012, , 133-151.		4
855	Learning-induced sharpening of neuronal tuning and adaptation: Not "mixed― Cognitive Neuroscience, 2012, 3, 242-243.	0.6	0
856	Parcel-Based Connectivity Analysis of fMRI Data for the Study of Epileptic Seizure Propagation. Brain Topography, 2012, 25, 345-361.	0.8	12
857	Assessing functional connectivity of neural ensembles using directed information. Journal of Neural Engineering, 2012, 9, 026004.	1.8	35
858	Analysis of coexisting neuronal populations in optogenetic and conventional BOLD data. , 2012, , .		1
859	Focusing on the frontal cortex. Cognitive Neuroscience, 2012, 3, 246-247.	0.6	8
860	Revisiting Wiener's principle of causality — interaction-delay reconstruction using transfer entropy and multivariate analysis on delay-weighted graphs. , 2012, 2012, 3676-9.		10
861	Psychopathology and the Human Connectome: Toward a Transdiagnostic Model of Risk For Mental Illness. Neuron, 2012, 74, 990-1004.	3.8	343
862	Brain Connectivity in Disorders of Consciousness. Brain Connectivity, 2012, 2, 1-10.	0.8	85
863	Fractionation of social brain circuits in autism spectrum disorders. Brain, 2012, 135, 2711-2725.	3.7	314
864	Functional magnetic resonance imaging correlates of cognitive performance in patients with a clinically isolated syndrome suggestive of multiple sclerosis at presentation: an activation and connectivity study. Multiple Sclerosis Journal, 2012, 18, 153-163.	1.4	45
865	Advanced Magnetic Resonance Neuroimaging of Language Function Recovery After Aphasic Stroke: A Technical Review. Archives of Physical Medicine and Rehabilitation, 2012, 93, S4-S14.	0.5	20
866	Temporal and instantaneous connectivity of default mode network estimated using Gaussian Bayesian network frameworks. Neuroscience Letters, 2012, 513, 62-66.	1.0	5
867	Cerebral interactions of pain and reward and their relevance for chronic pain. Neuroscience Letters, 2012, 520, 182-187.	1.0	85
868	Impaired prefrontal–amygdala effective connectivity is responsible for the dysfunction of emotion process in major depressive disorder: A dynamic causal modeling study on MEG. Neuroscience Letters, 2012, 523, 125-130.	1.0	111
869	Visual mismatch negativity and unintentional temporal-context-based prediction in vision. International Journal of Psychophysiology, 2012, 83, 144-155.	0.5	108

#	Article	IF	CITATIONS
870	GMAC: A Matlab toolbox for spectral Granger causality analysis of fMRI data. Computers in Biology and Medicine, 2012, 42, 943-956.	3.9	19
871	Connectivity Changes Underlying Spectral EEG Changes during Propofol-Induced Loss of Consciousness. Journal of Neuroscience, 2012, 32, 7082-7090.	1.7	272
872	Impaired social brain network for processing dynamic facial expressions in autism spectrum disorders. BMC Neuroscience, 2012, 13, 99.	0.8	118
873	Attention Reverses the Effect of Prediction in Silencing Sensory Signals. Cerebral Cortex, 2012, 22, 2197-2206.	1.6	341
874	Investigating Effective Brain Connectivity from fMRI Data: Past Findings and Current Issues with Reference to Granger Causality Analysis. Brain Connectivity, 2012, 2, 235-245.	0.8	124
875	Altered Cognitive Function of Prefrontal Cortex During Error Feedback in Patients With Irritable Bowel Syndrome, Based on fMRI and Dynamic Causal Modeling. Gastroenterology, 2012, 143, 1188-1198.	0.6	88
876	Stress sensitive healthy females show less left amygdala activation in response to withdrawal-related visual stimuli under passive viewing conditions. Brain and Cognition, 2012, 80, 230-236.	0.8	3
877	Colateralization of Broca's area and the visual word form area in left-handers: fMRI evidence. Brain and Language, 2012, 122, 171-178.	0.8	60
878	Effects of Acute Tryptophan Depletion on Prefrontal-Amygdala Connectivity While Viewing Facial Signals of Aggression. Biological Psychiatry, 2012, 71, 36-43.	0.7	128
879	Reversed Frontotemporal Connectivity During Emotional Face Processing in Remitted Depression. Biological Psychiatry, 2012, 72, 604-611.	0.7	55
880	Beyond cortical localization in clinico-anatomical correlation. Cortex, 2012, 48, 1262-1287.	1.1	215
881	Neural changes underlying the development of episodic memory during middle childhood. Developmental Cognitive Neuroscience, 2012, 2, 381-395.	1.9	213
882	Comparing Dynamic Causal Models using AIC, BIC and Free Energy. NeuroImage, 2012, 59, 319-330.	2.1	306
883	Network modulation during complex syntactic processing. NeuroImage, 2012, 59, 815-823.	2.1	90
884	A dynamic causal model for evoked and induced responses. NeuroImage, 2012, 59, 340-348.	2.1	56
885	Altered resting-state effective connectivity of fronto-parietal motor control systems on the primary motor network following stroke. NeuroImage, 2012, 59, 227-237.	2.1	83
886	Distinct pathways of neural coupling for different basic emotions. NeuroImage, 2012, 59, 1804-1817.	2.1	78
887	Dynamic causal modeling with neural fields. NeuroImage, 2012, 59, 1261-1274.	2.1	100

#	Article	IF	CITATIONS
888	Variation of the gene coding for DARPP-32 (PPP1R1B) and brain connectivity during associative emotional learning. NeuroImage, 2012, 59, 1540-1550.	2.1	19
889	Optimization of functional brain ROIs via maximization of consistency of structural connectivity profiles. NeuroImage, 2012, 59, 1382-1393.	2.1	61
890	Biological motion processing: The left cerebellum communicates with the right superior temporal sulcus. NeuroImage, 2012, 59, 2824-2830.	2.1	111
891	Imitation and observational learning of hand actions: Prefrontal involvement and connectivity. NeuroImage, 2012, 59, 1668-1683.	2.1	81
892	Critical comments on dynamic causal modelling. NeuroImage, 2012, 59, 2322-2329.	2.1	107
893	Tracing the route to path analysis in neuroimaging. NeuroImage, 2012, 62, 887-890.	2.1	13
894	The development of event-related fMRI designs. NeuroImage, 2012, 62, 1157-1162.	2.1	31
895	SPM: A history. NeuroImage, 2012, 62, 791-800.	2.1	391
896	Bayesian inference in FMRI. NeuroImage, 2012, 62, 801-810.	2.1	49
897	Dynamic gray matter changes within cortex and striatum after short motor skill training are associated with their increased functional interaction. NeuroImage, 2012, 59, 3364-3372.	2.1	45
898	Age-related changes in causal interactions between cortical motor regions during hand grip. NeuroImage, 2012, 59, 3398-3405.	2.1	54
899	Task-specific modulation of effective connectivity during two simple unimanual motor tasks: A 122-channel EEG study. Neurolmage, 2012, 59, 3187-3193.	2.1	49
900	Estimation of functional connectivity in fMRI data using stability selection-based sparse partial correlation with elastic net penalty. NeuroImage, 2012, 59, 3852-3861.	2.1	187
901	Imaging brain development: The adolescent brain. NeuroImage, 2012, 61, 397-406.	2.1	451
902	Integration of "what―and "where―in frontal cortex during visual imagery of scenes. NeuroImage, 2012, 60, 47-58.	2.1	51
903	The motor system and its disorders. NeuroImage, 2012, 61, 464-477.	2.1	52
904	Distributed processing; distributed functions?. NeuroImage, 2012, 61, 407-426.	2.1	80
905	Subspace-based Identification Algorithm for characterizing causal networks in resting brain. NeuroImage, 2012, 60, 1236-1249.	2.1	9

#	Article	IF	CITATIONS
906	Taste laterality studied by means of umami and salt stimuli: An fMRI study. NeuroImage, 2012, 60, 426-435.	2.1	48
907	Schizophrenia, neuroimaging and connectomics. NeuroImage, 2012, 62, 2296-2314.	2.1	640
908	The future of FMRI connectivity. NeuroImage, 2012, 62, 1257-1266.	2.1	309
909	A short history of causal modeling of fMRI data. NeuroImage, 2012, 62, 856-863.	2.1	96
910	Human auditory cortex is sensitive to the perceived clarity of speech. Neurolmage, 2012, 60, 1490-1502.	2.1	95
911	Ultrafast inverse imaging techniques for fMRI. NeuroImage, 2012, 62, 699-705.	2.1	40
912	Evidence of a direct influence between the thalamus and hMT+ independent of V1 in the human brain as measured by fMRI. NeuroImage, 2012, 60, 1440-1447.	2.1	38
913	Inferring consistent functional interaction patterns from natural stimulus FMRI data. NeuroImage, 2012, 61, 987-999.	2.1	32
914	The continuing challenge of understanding and modeling hemodynamic variation in fMRI. NeuroImage, 2012, 62, 1017-1023.	2.1	159
915	Decision-making under risk: A graph-based network analysis using functional MRI. NeuroImage, 2012, 60, 2191-2205.	2.1	38
916	Structural connectivity allows for multi-threading during rest: The structure of the cortex leads to efficient alternation between resting state exploratory behavior and default mode processing. NeuroImage, 2012, 60, 2274-2284.	2.1	27
917	Visual analytics of brain networks. NeuroImage, 2012, 61, 82-97.	2.1	31
918	The influence of emotional priming on the neural substrates of memory: A prospective fMRI study using portrait art stimuli. Neurolmage, 2012, 61, 876-883.	2.1	4
919	A time-varying source connectivity approach to reveal human somatosensory information processing. Neurolmage, 2012, 62, 217-228.	2.1	67
920	Dynamic Causal Modelling of epileptic seizure propagation pathways: A combined EEG–fMRI study. NeuroImage, 2012, 62, 1634-1642.	2.1	62
921	Modeling the outcome of structural disconnection on resting-state functional connectivity. NeuroImage, 2012, 62, 1342-1353.	2.1	169
922	Group search algorithm recovers effective connectivity maps for individuals in homogeneous and heterogeneous samples. NeuroImage, 2012, 63, 310-319.	2.1	312
923	Changes in functional connectivity support conscious object recognition. NeuroImage, 2012, 63, 1909-1917.	2.1	33

# 924	ARTICLE Connectivity analysis of novelty process in habitual short sleepers. NeuroImage, 2012, 63, 1001-1010.	IF 2.1	Citations
925	Brain excitability and connectivity of neuronal assemblies in Alzheimer's disease: From animal models to human findings. Progress in Neurobiology, 2012, 99, 42-60.	2.8	124
926	Abnormal intrinsic and extrinsic connectivity within the magnetic mismatch negativity brain network in schizophrenia: A preliminary study. Schizophrenia Research, 2012, 135, 23-27.	1.1	59
927	From research to clinical practice: Implementation of functional magnetic imaging and white matter tractography in the clinical environment. Journal of the Neurological Sciences, 2012, 312, 158-165.	0.3	38
929	A review of functional magnetic resonance imaging for Brainnetome. Neuroscience Bulletin, 2012, 28, 389-398.	1.5	18
930	Persistent Brain Network Homology From the Perspective of Dendrogram. IEEE Transactions on Medical Imaging, 2012, 31, 2267-2277.	5.4	176
931	Neural Information Processing. Lecture Notes in Computer Science, 2012, , .	1.0	3
932	Reading without the left ventral occipito-temporal cortex. Neuropsychologia, 2012, 50, 3621-3635.	0.7	60
933	EEG Alpha Power Modulation of fMRI Resting-State Connectivity. Brain Connectivity, 2012, 2, 254-264.	0.8	164
934	Spinal cord stimulation modulates cerebral function: an fMRI study. Neuroradiology, 2012, 54, 1399-1407.	1.1	69
935	The Human Auditory Cortex. Springer Handbook of Auditory Research, 2012, , .	0.3	18
936	A Canonical Model of Multistability and Scale-Invariance in Biological Systems. PLoS Computational Biology, 2012, 8, e1002634.	1.5	154
937	Pattern Classification of Large-Scale Functional Brain Networks: Identification of Informative Neuroimaging Markers for Epilepsy. PLoS ONE, 2012, 7, e36733.	1.1	83
938	Brain Networks of Explicit and Implicit Learning. PLoS ONE, 2012, 7, e42993.	1.1	97
939	Time-Delayed Mutual Information of the Phase as a Measure of Functional Connectivity. PLoS ONE, 2012, 7, e44633.	1.1	20
940	Granger Causality Analysis of Steady-State Electroencephalographic Signals during Propofol-Induced Anaesthesia. PLoS ONE, 2012, 7, e29072.	1.1	138
941	The Lateral Occipital Cortex in the Face Perception Network: An Effective Connectivity Study. Frontiers in Psychology, 2012, 3, 141.	1.1	88
942	Task-Dependent Modulation of Effective Connectivity within the Default Mode Network. Frontiers in Psychology, 2012, 3, 206.	1.1	69

#	Article	IF	CITATIONS
943	Task-Related Deactivation and Functional Connectivity of the Subgenual Cingulate Cortex in Major Depressive Disorder. Frontiers in Psychiatry, 2012, 3, 14.	1.3	41
944	Connectomic Intermediate Phenotypes for Psychiatric Disorders. Frontiers in Psychiatry, 2012, 3, 32.	1.3	90
945	Amok as viewed by British administrators in colonial Malaya. British Journal of Psychiatry, 2012, 200, 244-244.	1.7	0
946	Activation Detection on fMRI Time Series Using Hidden Markov Model. Advances in Artificial Neural Systems, 2012, 2012, 1-12.	1.0	4
947	Neocortical-hippocampal dynamics of working memory in healthy and diseased brain states based on functional connectivity. Frontiers in Human Neuroscience, 2012, 6, 36.	1.0	25
948	Neural networks for action representation: a functional magnetic-resonance imaging and dynamic causal modeling study. Frontiers in Human Neuroscience, 2012, 6, 236.	1.0	41
949	A Unified Model of Time Perception Accounts for Duration-Based and Beat-Based Timing Mechanisms. Frontiers in Integrative Neuroscience, 2011, 5, 90.	1.0	181
950	Using large-scale neural models to interpret connectivity measures of cortico-cortical dynamics at millisecond temporal resolution. Frontiers in Systems Neuroscience, 2011, 5, 102.	1.2	18
951	Effective Connectivity Modeling for fMRI: Six Issues and Possible Solutions Using Linear Dynamic Systems. Frontiers in Systems Neuroscience, 2011, 5, 104.	1.2	23
952	Introduction to Research Topic – Brain Connectivity Analysis: Investigating Brain Disorders. Part 1: The Review Articles. Frontiers in Systems Neuroscience, 2012, 6, 3.	1.2	7
953	ADHD-200 Global Competition: diagnosing ADHD using personal characteristic data can outperform resting state fMRI measurements. Frontiers in Systems Neuroscience, 2012, 6, 69.	1.2	139
954	2. Bilingual Aphasia: Neural Plasticity and Considerations for Recovery. , 2012, , 16-32.		1
955	Functional neuroimaging of autobiographical memory. , 2012, , 114-138.		11
956	Posterior Parietal Cortex. , 2012, , 1036-1055.		20
957	Resting-State Connectivity Identifies Distinct Functional Networks in Macaque Cingulate Cortex. Cerebral Cortex, 2012, 22, 1294-1308.	1.6	61
958	Functional alterations of largeâ€scale brain networks related to cognitive control in obsessiveâ€compulsive disorder. Human Brain Mapping, 2012, 33, 1089-1106.	1.9	76
959	Convergence of human brain mapping tools: Neuronavigated TMS Parameters and fMRI activity in the hand motor area. Human Brain Mapping, 2012, 33, 1107-1123.	1.9	56
960	Hand shape selection in pantomimed grasping: Interaction between the dorsal and the ventral visual streams and convergence on the ventral premotor area. Human Brain Mapping, 2012, 33, 1821-1833.	1.9	16

#	Article	IF	CITATIONS
961	Working memory load modulation of parietoâ€frontal connections: Evidence from dynamic causal modeling. Human Brain Mapping, 2012, 33, 1850-1867.	1.9	81
962	Impulsive personality and the ability to resist immediate reward: An fMRI study examining interindividual differences in the neural mechanisms underlying selfâ€control. Human Brain Mapping, 2012, 33, 2768-2784.	1.9	53
963	Recognizing recurrent neural networks (rRNN): Bayesian inference for recurrent neural networks. Biological Cybernetics, 2012, 106, 201-217.	0.6	17
964	Implications for psychedelic-assisted psychotherapy: functional magnetic resonance imaging study with psilocybin. British Journal of Psychiatry, 2012, 200, 238-244.	1.7	170
965	A probabilistic foundation for dynamical systems: phenomenological reasoning and principal characteristics of probabilistic evolution. Journal of Mathematical Chemistry, 2012, 50, 870-880.	0.7	21
966	Individual Functional ROI Optimization Via Maximization of Group-Wise Consistency of Structural and Functional Profiles. Neuroinformatics, 2012, 10, 225-242.	1.5	31
967	An fMRI Study of the Interactions Between the Attention and the Gustatory Networks. Chemosensory Perception, 2012, 5, 117-127.	0.7	18
969	Dynamic Causal Modeling and subspace identification methods. Biomedical Signal Processing and Control, 2012, 7, 365-370.	3.5	7
970	The functional neuroanatomy of decision making: Prefrontal control of thought and action. Brain Research, 2012, 1428, 3-12.	1.1	115
971	Connectivity measures applied to human brain electrophysiological data. Journal of Neuroscience Methods, 2012, 207, 1-16.	1.3	183
972	Post-hoc selection of dynamic causal models. Journal of Neuroscience Methods, 2012, 208, 66-78.	1.3	65
973	The †̃correlates' in neural correlates of consciousness. Neuroscience and Biobehavioral Reviews, 2012, 36, 191-197.	2.9	164
974	Anatomical insights into the interaction of emotion and cognition in the prefrontal cortex. Neuroscience and Biobehavioral Reviews, 2012, 36, 479-501.	2.9	347
975	A dynamical pattern recognition model of gamma activity in auditory cortex. Neural Networks, 2012, 28, 1-14.	3.3	9
976	Cross Validation for Selection of Cortical Interaction Models From Scalp EEG or MEG. IEEE Transactions on Biomedical Engineering, 2012, 59, 504-514.	2.5	15
977	Bridging the Semantic Gap via Functional Brain Imaging. IEEE Transactions on Multimedia, 2012, 14, 314-325.	5.2	34
978	A Programmable Laboratory Testbed in Support of Evaluation of Functional Brain Activation and Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 170-183.	2.7	61
979	An efficient method for effective connectivity of brain regions. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2012, 40A, 14-24.	0.2	2

		CITATION REPORT		
#	Article		IF	Citations
980	The equivalence of linear Gaussian connectivity techniques. Human Brain Mapping, 20	13, 34, 1999-2014.	1.9	8
981	Neural adaptation to thin and fat bodies in the fusiform body area and middle occipital adaptation study. Human Brain Mapping, 2013, 34, 3233-3246.	gyrus: An fMRI	1.9	34
982	Neuroelectrical Brain Imaging Tools for the Study of the Efficacy of TV Advertising Stim Application to Neuromarketing. Biosystems and Biorobotics, 2013, , .	iuli and their	0.2	30
983	Task-related functional connectivity in autism spectrum conditions: an EEG study using transform coherence. Molecular Autism, 2013, 4, 1.	g wavelet	2.6	120
984	Harnessing graphics processing units for improved neuroimaging statistics. Cognitive, Behavioral Neuroscience, 2013, 13, 587-597.	Affective and	1.0	3
985	Localization of the primary taste cortex by contrasting passive and attentive condition Brain Research, 2013, 227, 185-197.	s. Experimental	0.7	21
987	The application of nonlinear Dynamic Causal Modelling for fMRI in subjects at high ger schizophrenia. NeuroImage, 2013, 73, 16-29.	etic risk of	2.1	45
988	The role of serotonin in the neurocircuitry of negative affective bias: Serotonergic mod the dorsal medial prefrontal-amygdala †aversive amplification' circuit. NeuroImag	ulation of ge, 2013, 78, 217-223.	2.1	53
989	Model selection and gobbledygook: Response to Lohmann et al NeuroImage, 2013, 7	5, 275-278.	2.1	25
990	Neurophysiological techniques in the study of the excitability, connectivity, and plastic human brain. Supplements To Clinical Neurophysiology, 2013, 62, 1-17.	ity of the	2.1	5
991	Inferring evoked brain connectivity through adaptive perturbation. Journal of Computa Neuroscience, 2013, 34, 303-318.	tional	0.6	17
992	Noise-induced anti-correlated slow fluctuations in networks of neural populations. BM Neuroscience, 2013, 14, .	C	0.8	0
993	Phase transfer entropy: a novel measure for effective connectivity among neuronal osc Neuroscience, 2013, 14, .	illations. BMC	0.8	4
994	Neural Engineering. , 2013, , .			24
995	Temporal prediction errors modulate cingulate–insular coupling. NeuroImage, 2013,	71, 147-157.	2.1	34
996	Simultaneous EEG and fMRI Reveals a Causally Connected Subcortical-Cortical Networ Reward Anticipation. Journal of Neuroscience, 2013, 33, 14526-14533.	k during	1.7	80
997	A Biological Gradient Descent for Prediction Through a Combination of STDP and Hom Plasticity. Neural Computation, 2013, 25, 2815-2832.	eostatic	1.3	17
998	Do patients with fibromyalgia show abnormal neural responses to the observation of p Neuroscience Research, 2013, 75, 305-315.	ain in others?.	1.0	24

#	Article	IF	CITATIONS
999	Maladaptive connectivity of Broca's area in schizophrenia during audiovisual speech perception: An fMRI study. Neuroscience, 2013, 253, 274-282.	1.1	20
1000	Reversible Information Flow across the Medial Temporal Lobe: The Hippocampus Links Cortical Modules during Memory Retrieval. Journal of Neuroscience, 2013, 33, 14184-14192.	1.7	93
1001	The Virtual Brain Integrates Computational Modeling and Multimodal Neuroimaging. Brain Connectivity, 2013, 3, 121-145.	0.8	218
1002	The role of top-down control in different phases of a sensorimotor timing task: a DCM study of adults and adolescents. Brain Imaging and Behavior, 2013, 7, 260-273.	1.1	12
1003	Multi-site reproducibility of prefrontal–hippocampal connectivity estimates by stochastic DCM. Neurolmage, 2013, 82, 555-563.	2.1	25
1004	The hippocampus extrapolates beyond the view in scenes: AnÂfMRI study of boundary extension. Cortex, 2013, 49, 2067-2079.	1.1	62
1005	Sensory processing during viewing of cinematographic material: Computational modeling and functional neuroimaging. Neurolmage, 2013, 67, 213-226.	2.1	41
1006	Network discovery with large DCMs. NeuroImage, 2013, 68, 181-191.	2.1	89
1007	From perception to memory: Changes in memory systems across the lifespan. Neuroscience and Biobehavioral Reviews, 2013, 37, 2258-2267.	2.9	60
1008	Functional network architecture of reading-related regions across development. Brain and Language, 2013, 125, 231-243.	0.8	68
1009	Dynamic and stochastic models of neuroimaging data: A comment on Lohmann et al NeuroImage, 2013, 75, 270-274.	2.1	14
1010	Response to commentaries on our paper: Critical comments on dynamic causal modelling. NeuroImage, 2013, 75, 279-281.	2.1	9
1011	Audio–visual interactions for motion perception in depth modulate activity in visual area V3A. NeuroImage, 2013, 71, 158-167.	2.1	18
1012	Nonlinear coupling between occipital and motor cortex during motor imagery: A dynamic causal modeling study. Neurolmage, 2013, 71, 104-113.	2.1	19
1013	How brooding minds inhibit negative material: An event-related fMRI study. Brain and Cognition, 2013, 81, 352-359.	0.8	29
1014	Spatial Sensory Organization and Body Representation in Pain Perception. Current Biology, 2013, 23, R164-R176.	1.8	152
1015	Adaptive kernels and transfer entropy for neural connectivity analysis in EEG signals. Irbm, 2013, 34, 330-336.	3.7	2
1016	Handbook of Neurosociology. Handbooks of Sociology and Social Research, 2013, , .	0.1	33

		CITATION REPOR	ST.	
#	ARTICLE Frequency distribution of causal connectivity in rat sensorimotor network: resting-state fMRI	IF		CITATIONS
1017	analyses. Journal of Neurophysiology, 2013, 109, 238-248.	0.9	9	11
1018	Dynamics of the brain: Mathematical models and non-invasive experimental studies. Europear Journal: Special Topics, 2013, 222, 2607-2622.	n Physical 1.2	2	7
1019	Understanding DCM: Ten simple rules for the clinician. NeuroImage, 2013, 83, 542-549.	2.1	1	65
1020	Brainnetome: A new -ome to understand the brain and its disorders. NeuroImage, 2013, 80, 2	63-272. 2.1	1	116
1021	Brain stimulation and functional imaging with fMRI and PET. Handbook of Clinical Neurology / By P J Vinken and G W Bruyn, 2013, 116, 77-95.	Edited 1.0	D	22
1022	Computational Medicine in Data Mining and Modeling. , 2013, , .			11
1023	Assessment of system dysfunction in the brain through MRI-based connectomics. Lancet Neu The, 2013, 12, 1189-1199.	rology, 4.9	9	184
1024	Discrete-network versus modal representations of brain activity: Why a sparse regions-of-inter approach can work for analysis of continuous dynamics. Physical Review E, 2013, 88, 054702	rest 0.4	8	12
1025	Evidence for a medial prefrontal cortex–hippocampal axis associated with heart rate contro conscious humans. Brain Research, 2013, 1538, 104-115.	l in 1.1	L	27
1026	fMRI Data Analysis Using SPM. , 2013, , 51-76.			5
1027	A Bayesian framework for simultaneously modeling neural and behavioral data. NeuroImage, 2 193-206.	2013, 72, 2.1	1	148
1028	Brainnetome-wide association studies in schizophrenia: The advances and future. Neuroscience Biobehavioral Reviews, 2013, 37, 2818-2835.	ce and 2.9	9	25
1029	Partial least squares correlation of multivariate cognitive abilities and local brain structure in children and adolescents. NeuroImage, 2013, 82, 284-294.	2.1	1	49
1030	Controlling automatic imitative tendencies: Interactions between mirror neuron and cognitive control systems. NeuroImage, 2013, 83, 493-504.	2.1	1	85
1031	Basic Aspects of Hearing. Advances in Experimental Medicine and Biology, 2013, , .	0.8	8	23
1032	A Dynamic System for the Analysis of Acoustic Features and Valence of Aversive Sounds in the Brain. Advances in Experimental Medicine and Biology, 2013, 787, 463-472.	e Human O.a	8	1
1033	Pushing the boundaries of language in the bilingual brain: A reply to commentary on "The brain: Flexibility and control in the human cortex― Physics of Life Reviews, 2013, 10, 454-45		5	0
1034	Frontoparietal Cortex Mediates Perceptual Transitions in Bistable Perception. Journal of Neuroscience, 2013, 33, 16009-16015.	1.7	7	64

		CITATION RE	PORT	
#	Article		IF	Citations
1035	A graph theoretical regression model for brain connectivity learning of Alzheimer'S disea	ise. , 2013, , .		18
1036	Quantitative measures of cortical functional connectivity: A state-of-the-art brief survey. Physiology, 2013, 39, 432-440.	Human	0.1	3
1037	FMRI: Principles and analysis. , 2013, , .			0
1038	Different Neural Mechanisms within Occipitotemporal Cortex Underlie Repetition Suppr Same and Different-Size Faces. Cerebral Cortex, 2013, 23, 1073-1084.	ession across	1.6	54
1039	Causal analysis for non-stationary time series in sensor-rich smart buildings. , 2013, , .			9
1040	Effective connectivity and cortical information flow under visual stimulation in migraine 2013, , .	with aura. ,		1
1041	Spatial Stimulus Configuration and Attentional Selection: Extrastriate and Superior Parie Interactions. Cerebral Cortex, 2013, 23, 2840-2854.	etal	1.6	9
1042	Visual feedback discordance mediates changes in brain activity and effective connectivit fMRI dynamic causal modeling study. , 2013, , .	ty: A stroke		3
1043	Outline of a general theory of behavior and brain coordination. Neural Networks, 2013,	37, 120-131.	3.3	139
1044	Complexity of spontaneous BOLD activity in default mode network is correlated with co function in normal male elderly: a multiscale entropy analysis. Neurobiology of Aging, 20 428-438.		1.5	166
1045	Connectivity Issues of the â€ $$ Hallucinatingâ€ т Brain. , 2013, , 417-443.			2
1046	Analysing connectivity with Granger causality and dynamic causal modelling. Current Op Neurobiology, 2013, 23, 172-178.	binion in	2.0	544
1047	Towards a large-scale model of patient-specific epileptic spike-wave discharges. Biologic 2013, 107, 83-94.	al Cybernetics,	0.6	47
1048	Multiple frequency functional connectivity in the hand somatosensory network: An EEG Clinical Neurophysiology, 2013, 124, 1216-1224.	study.	0.7	33
1049	Prestimulus Oscillatory Phase at 7ÂHz Gates Cortical Information Flow and Visual Perce Biology, 2013, 23, 2273-2278.	ption. Current	1.8	145
1050	Reduced Inferior Frontal Gyrus Activation During Response Inhibition to Emotional Stim at High Risk of Bipolar Disorder. Biological Psychiatry, 2013, 74, 55-61.	uli in Youth	0.7	86
1051	Variational Bayesian mixed-effects inference for classification studies. NeuroImage, 201	3, 76, 345-361.	2.1	30
1052	The functional architecture for face-processing expertise: FMRI evidence of the developr trajectory of the core and the extended face systems. Neuropsychologia, 2013, 51, 289	nental 3-2908.	0.7	48

#	Article	IF	CITATIONS
1053	Advancing understanding of affect labeling with dynamic causal modeling. NeuroImage, 2013, 82, 481-488.	2.1	57
1054	Hippocampus–precuneus functional connectivity as an early sign of Alzheimer's disease: A preliminary study using structural and functional magnetic resonance imaging data. Brain Research, 2013, 1495, 18-29.	1.1	48
1055	Adding dynamics to the Human Connectome Project with MEG. NeuroImage, 2013, 80, 190-201.	2.1	189
1056	Neural representations of unfamiliar objects are modulated by sensorimotor experience. Cortex, 2013, 49, 1110-1125.	1.1	36
1057	Neuroimaging in aphasia treatment research: Consensus and practical guidelines for data analysis. NeuroImage, 2013, 73, 215-224.	2.1	46
1058	Reduced connectivity between the left fusiform body area and the extrastriate body area in anorexia nervosa is associated with body image distortion. Behavioural Brain Research, 2013, 241, 80-85.	1.2	82
1059	Global processing of orientation in amblyopia. Vision Research, 2013, 82, 22-30.	0.7	15
1060	New perspectives on neural systems models of adolescent behavior: Functional brain connectivity. Neuropsychiatrie De L'Enfance Et De L'Adolescence, 2013, 61, 209-218.	0.1	3
1061	Dynamic causal modeling suggests serial processing of tactile vibratory stimuli in the human somatosensory cortex—An fMRI study. NeuroImage, 2013, 74, 164-171.	2.1	58
1062	The role of prestimulus activity in visual extinction. Neuropsychologia, 2013, 51, 1630-1637.	0.7	3
1063	Functional responses and structural connections of cortical areas for processing faces and voices in the superior temporal sulcus. NeuroImage, 2013, 76, 45-56.	2.1	73
1064	Interregional compensatory mechanisms of motor functioning in progressing preclinical neurodegeneration. Neurolmage, 2013, 75, 146-154.	2.1	30
1065	Microstructural grey matter parcellation and its relevance for connectome analyses. Neurolmage, 2013, 80, 18-26.	2.1	40
1066	Structural basis of the fronto-thalamic dysconnectivity in schizophrenia: A combined DCM-VBM study. NeuroImage: Clinical, 2013, 3, 95-105.	1.4	34
1067	Auditory–Motor Interactions for the Production of Native and Non-Native Speech. Journal of Neuroscience, 2013, 33, 2376-2387.	1.7	22
1068	Cerebral network disorders after stroke: evidence from imagingâ€based connectivity analyses of active and resting brain states in humans. Journal of Physiology, 2013, 591, 17-31.	1.3	221
1069	The human somatosensory system: From perception to decision making. Progress in Neurobiology, 2013, 103, 76-97.	2.8	73
1070	Multivariate Statistical Analyses for Neuroimaging Data. Annual Review of Psychology, 2013, 64, 499-525.	9.9	214

#	Article	IF	CITATIONS
1071	Functional connectivity between brain areas estimated by analysis of gamma waves. Journal of Neuroscience Methods, 2013, 214, 184-191.	1.3	8
1072	Reliability and spatial specificity of rat brain sensorimotor functional connectivity networks are superior under sedation compared with general anesthesia. NMR in Biomedicine, 2013, 26, 638-650.	1.6	74
1073	Exploring Functional and Causal Connectivity in the Brain. , 2013, , 545-564.		3
1074	Top-Down Regulation of Default Mode Activity in Spatial Visual Attention. Journal of Neuroscience, 2013, 33, 6444-6453.	1.7	124
1075	"More Is Different―in Functional Magnetic Resonance Imaging: A Review of Recent Data Analysis Techniques. Brain Connectivity, 2013, 3, 223-239.	0.8	20
1076	Cognitive Control and the Salience Network: An Investigation of Error Processing and Effective Connectivity. Journal of Neuroscience, 2013, 33, 7091-7098.	1.7	226
1077	Detecting Brain State Changes via Fiber-Centered Functional Connectivity Analysis. Neuroinformatics, 2013, 11, 193-210.	1.5	26
1078	Spurious causalities with transfer entropy. Physical Review E, 2013, 87, 042917.	0.8	104
1079	Hierarchical functional connectivity between the core language system and the working memory system. Cortex, 2013, 49, 2416-2423.	1.1	73
1080	The Emergent Self: How Distributed Neural Networks Support Self-Representation. Handbooks of Sociology and Social Research, 2013, , 167-182.	0.1	4
1081	A blind deconvolution approach to recover effective connectivity brain networks from resting state fMRI data. Medical Image Analysis, 2013, 17, 365-374.	7.0	235
1082	State-dependent differences between functional and effective connectivity of the human cortical motor system. NeuroImage, 2013, 67, 237-246.	2.1	54
1083	Dynamic causal modelling of effective connectivity during perspective taking in a communicative task. Neurolmage, 2013, 76, 116-124.	2.1	35
1084	Biophysical network models and the human connectome. NeuroImage, 2013, 80, 330-338.	2.1	78
1085	Bottom up modeling of the connectome: Linking structure and function in the resting brain and their changes in aging. Neurolmage, 2013, 80, 318-329.	2.1	81
1086	Learning and comparing functional connectomes across subjects. Neurolmage, 2013, 80, 405-415.	2.1	185
1087	Upsampling to 400-ms Resolution for Assessing Effective Connectivity in Functional Magnetic Resonance Imaging Data with Granger Causality. Brain Connectivity, 2013, 3, 61-71.	0.8	4
1088	Brain Connectivity and Visual Attention. Brain Connectivity, 2013, 3, 317-338.	0.8	84

#	Article	IF	CITATIONS
1089	A pairwise maximum entropy model accurately describes resting-state human brain networks. Nature Communications, 2013, 4, 1370.	5.8	134
1090	Functional and effective connectivity in EEG alpha and beta bands during intermittent flash stimulation in migraine with and without aura. Cephalalgia, 2013, 33, 938-947.	1.8	56
1091	Graph analysis of the human connectome: Promise, progress, and pitfalls. NeuroImage, 2013, 80, 426-444.	2.1	677
1092	Network dynamics engaged in the modulation of motor behavior in healthy subjects. NeuroImage, 2013, 82, 68-76.	2.1	56
1093	Dynamic Coupling Between the Lateral Occipital-Cortex, Default-Mode, and Frontoparietal Networks During Bistable Perception. Brain Connectivity, 2013, 3, 286-293.	0.8	16
1094	Resting-state fMRI in the Human Connectome Project. NeuroImage, 2013, 80, 144-168.	2.1	1,367
1095	Predicting cortical ROIs via joint modeling of anatomical and connectional profiles. Medical Image Analysis, 2013, 17, 601-615.	7.0	2
1096	Predicting intrinsic brain activity. NeuroImage, 2013, 82, 127-136.	2.1	32
1097	Systematic approximations of neural fields through networks of neural masses in the virtual brain. NeuroImage, 2013, 83, 704-725.	2.1	59
1098	Functional MRI and structural MRI as tools for understanding comorbid conditions in children with epilepsy. Epilepsy and Behavior, 2013, 26, 295-302.	0.9	12
1099	Combined T2*-weighted measurements of the human brain and cervical spinal cord with a dynamic shim update. NeuroImage, 2013, 79, 153-161.	2.1	50
1100	Altered Connectivity of the Balance Processing Network After Tongue Stimulation in Balance-Impaired Individuals. Brain Connectivity, 2013, 3, 87-97.	0.8	24
1101	Learning the lexical aspects of a second language at different proficiencies: A neural computational study. Bilingualism, 2013, 16, 266-287.	1.0	9
1102	Autoregressive causal relation: Digital filtering approach to causality measures in frequency domain. , 2013, 23, 1756-1766.		2
1103	Resting-State Functional Connectivity Emerges from Structurally and Dynamically Shaped Slow Linear Fluctuations. Journal of Neuroscience, 2013, 33, 11239-11252.	1.7	476
1104	Connectivity-based neurofeedback: Dynamic causal modeling for real-time fMRI. NeuroImage, 2013, 81, 422-430.	2.1	135
1105	Repetition Probability Does Not Affect fMRI Repetition Suppression for Objects. Journal of Neuroscience, 2013, 33, 9805-9812.	1.7	79
1106	Distinguishing between Unipolar Depression and Bipolar Depression: Current and Future Clinical and Neuroimaging Perspectives. Biological Psychiatry, 2013, 73, 111-118.	0.7	207

	Стл	ation Report	
#	Article	IF	Citations
1107	A control point interpolation method for the non-parametric quantification of cerebral haemodynamics from dynamic susceptibility contrast MRI. NeuroImage, 2013, 64, 560-570.	2.1	22
1108	Granger causality analysis of fMRI BOLD signals is invariant to hemodynamic convolution but not downsampling. NeuroImage, 2013, 65, 540-555.	2.1	210
1109	Quantifying temporal correlations: A test–retest evaluation of functional connectivity in resting-state fMRI. NeuroImage, 2013, 65, 231-241.	2.1	65
1110	Nucleus accumbens, thalamus and insula connectivity during incentive anticipation in typical adults and adolescents. NeuroImage, 2013, 66, 508-521.	2.1	147
1111	Connective field modeling. NeuroImage, 2013, 66, 376-384.	2.1	75
1112	Dynamic causal modelling of lateral interactions in the visual cortex. NeuroImage, 2013, 66, 563-576.	2.1	58
1113	Detecting information flow direction in multivariate linear and nonlinear models. Signal Processing, 2013, 93, 304-312.	2.1	4
1114	What neuroimaging has and has not yet added to our understanding of addiction. Addiction, 2013, 108 1357-1359.	8, 1.7	4
1115	Time-varying correlation coefficients estimation and its application to dynamic connectivity analysis of fMRI. , 2013, 2013, 2944-7.		4
1116	Time-constrained functional connectivity analysis of cortical networks underlying phonological decoding in typically developing school-aged children: A magnetoencephalography study. Brain and Language, 2013, 125, 156-164.	0.8	14
1117	The amygdalostriatal and corticostriatal effective connectivity in anticipation and evaluation of facial attractiveness. Brain and Cognition, 2013, 82, 291-300.	0.8	12
1118	When Broca Goes Uninformed: Reduced Information Flow to Broca's Area in Schizophrenia Patients With Auditory Hallucinations. Schizophrenia Bulletin, 2013, 39, 1087-1095.	2.3	66
1119	Classifying spatial patterns of fMRI activity for object category based on information mapping. Proceedings of SPIE, 2013, , .	0.8	0
1120	Impact of blindness onset on the functional organization and the connectivity of the occipital cortex. Brain, 2013, 136, 2769-2783.	3.7	193
1121	Current Trends in ERP Analysis Using EEG and EEG/fMRI Synergistic Methods. Neuromethods, 2013, , 323-350.	0.2	4
1122	The right hemisphere supports but does not replace left hemisphere auditory function in patients with persisting aphasia. Brain, 2013, 136, 1901-1912.	3.7	40
1123	Independent Modulation of Engagement and Connectivity of the Facial Network During Affect Processing by <i>CACNA1C</i> and <i>ANK3</i> Risk Genes for Bipolar Disorder. JAMA Psychiatry, 2013, 1303.	70, 6.0	78
1124	From Birdsong to Human Speech Recognition: Bayesian Inference on a Hierarchy of Nonlinear Dynamical Systems. PLoS Computational Biology, 2013, 9, e1003219.	1.5	43

		CITATION RE	PORT	
#	Article		IF	Citations
1125	Forward and Backward Inference in Spatial Cognition. PLoS Computational Biology, 20)13, 9, e1003383.	1.5	61
1126	Linearized Transfer Entropy for Continuous Second Order Systems. Entropy, 2013, 15,	3186-3204.	1.1	12
1127	Attention-Dependent Modulation of Cortical Taste Circuits Revealed by Granger Causa Signal-Dependent Noise. PLoS Computational Biology, 2013, 9, e1003265.	lity with	1.5	51
1128	Model of the Transient Neurovascular Response Based on Prompt Arterial Dilation. Jou Cerebral Blood Flow and Metabolism, 2013, 33, 1429-1439.	rnal of	2.4	31
1129	Building and Clustering Analysis of Brain Functional Network in Acupuncture. Advance Research, 0, 710, 633-636.	d Materials	0.3	0
1130	Exploring the cortical and subcortical functional magnetic resonance imaging changes with freezing in Parkinson's disease. Brain, 2013, 136, 1204-1215.	associated	3.7	195
1131	Bypassing Primary Sensory Cortices—A Direct Thalamocortical Pathway for Transmith Sensory Information. Cerebral Cortex, 2013, 23, 1-11.	ing Salient	1.6	83
1132	Increased Facilitatory Connectivity from the Pre-SMA to the Left Dorsal Premotor Cort Pseudoword Repetition. Journal of Cognitive Neuroscience, 2013, 25, 580-594.	ex during	1.1	31
1133	Modeling Ketamine Effects on Synaptic Plasticity During the Mismatch Negativity. Cer 2013, 23, 2394-2406.	ebral Cortex,	1.6	93
1134	Brain Connectivity Abnormalities Predating the Onset of Psychosis. JAMA Psychiatry, 2	013, 70, 903.	6.0	94
1135	Advances in Cognitive Neurodynamics (III). , 2013, , .			5
1136	Second person neuroscience needs theories as well as methods. Behavioral and Brain S 36, 425-426.	Sciences, 2013,	0.4	1
1137	Human Parietofrontal Networks Related to Action Observation Detected at Rest. Cere 2013, 23, 178-186.	oral Cortex,	1.6	16
1138	Top-Down Control of Visual Responses to Fear by the Amygdala. Journal of Neuroscien 17435-17443.	ce, 2013, 33,	1.7	80
1139	Amygdala Mediated Connectivity in Perceptual Decision-Making of Emotional Facial Ex Connectivity, 2013, 3, 386-397.	pressions. Brain	0.8	12
1140	Epileptic Neuronal Networks: Methods of Identification and Clinical Relevance. Frontie Neurology, 2013, 4, 8.	rs in	1.1	112
1141	Causality within the Epileptic Network: An EEG-fMRI Study Validated by Intracranial EE Neurology, 2013, 4, 185.	G. Frontiers in	1.1	24
1142	Identifying causal networks of neuronal sources from EEG/MEG data with the phase slo simulation study. Biomedizinische Technik, 2013, 58, 165-78.	ppe index: a	0.9	14

#	Article	IF	CITATIONS
1143	Structural connectivity in schizophrenia and its impact on the dynamics of spontaneous functional networks. Chaos, 2013, 23, 046111.	1.0	60
1144	The influence of depression on deactivation and neural correlates during mental arithmetic tasks. , 2013, , .		Ο
1145	Similar Circuits but Different Connectivity Patterns Between The Cerebellum, Basal Ganglia, and Supplementary Motor Area In Early Parkinson's Disease Patients and Controls During Predictive Motor Timing. Journal of Neuroimaging, 2013, 23, 452-462.	1.0	27
1146	Analytical strategies for large imaging genetic datasets: experiences from the IMAGEN study. Annals of the New York Academy of Sciences, 2013, 1282, 92-106.	1.8	22
1147	Ictalâ€onset localization through connectivity analysis of intracranial <scp>EEG</scp> signals in patients with refractory epilepsy. Epilepsia, 2013, 54, 1409-1418.	2.6	116
1148	A preliminary investigation of Stroop-related intrinsic connectivity in cocaine dependence: associations with treatment outcomes. American Journal of Drug and Alcohol Abuse, 2013, 39, 392-402.	1.1	53
1149	Sparse Network-Based Models for Patient Classification Using fMRI. , 2013, , .		54
1150	Parallelism in the brain's visual form system. European Journal of Neuroscience, 2013, 38, 3712-3720.	1.2	20
1151	Detection of Transient Inter-regional Coupling in fMRI Time Series: A New Method Combining Inter-subjects Synchronization and Cluster-Analyses. , 2013, , .		1
1150			
1152	Functional brain interactions during free viewing of video stream. , 2013, , .		0
1152	Functional brain interactions during free viewing of video stream. , 2013, , . Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385.	0.8	0
	Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural	0.8	
1153	Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385. When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural		4
1153 1154	Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385. When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural Circuitry Adaptation. Journal of Neuroscience, 2013, 33, 15324-15332. Perturbation of the left inferior frontal gyrus triggers adaptive plasticity in the right homologous area during speech production. Proceedings of the National Academy of Sciences of the United States	1.7	4 145
1153 1154 1155	Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385. When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural Circuitry Adaptation. Journal of Neuroscience, 2013, 33, 15324-15332. Perturbation of the left inferior frontal gyrus triggers adaptive plasticity in the right homologous area during speech production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16402-16407. Simultaneous EEG-fMRI Reveals Temporal Evolution of Coupling between Supramodal Cortical	1.7 3.3	4 145 122
1153 1154 1155 1156	 Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385. When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural Circuitry Adaptation. Journal of Neuroscience, 2013, 33, 15324-15332. Perturbation of the left inferior frontal gyrus triggers adaptive plasticity in the right homologous area during speech production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16402-16407. Simultaneous EEC-fMRI Reveals Temporal Evolution of Coupling between Supramodal Cortical Attention Networks and the Brainstem. Journal of Neuroscience, 2013, 33, 19212-19222. Reduced Serotonin Transporter Availability Decreases Prefrontal Control of the Amygdala. Journal of 	1.7 3.3 1.7	4 145 122 96
1153 1154 1155 1156 1157	Matching Structural, Effective, and Functional Connectivity: A Comparison Between Structural Equation Modeling and Ancestral Graphs. Brain Connectivity, 2013, 3, 375-385. When the Sense of Smell Meets Emotion: Anxiety-State-Dependent Olfactory Processing and Neural Circuitry Adaptation. Journal of Neuroscience, 2013, 33, 15324-15332. Perturbation of the left inferior frontal gyrus triggers adaptive plasticity in the right homologous area during speech production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16402-16407. Simultaneous EEC-fMRI Reveals Temporal Evolution of Coupling between Supramodal Cortical Attention Networks and the Brainstem. Journal of Neuroscience, 2013, 33, 19212-19222. Reduced Serotonin Transporter Availability Decreases Prefrontal Control of the Amygdala. Journal of Neuroscience, 2013, 33, 8974-8979.	1.7 3.3 1.7 1.7	4 145 122 96 59

#	Article	IF	CITATIONS
1161	The impact of latent confounders in directed network analysis in neuroscience. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20110612.	1.6	18
1162	Can quantum probability help analyze the behavior of functional brain networks?. Behavioral and Brain Sciences, 2013, 36, 278-279.	0.4	1
1163	Causal Mathematical Logic as a guiding framework for the prediction of "Intelligence Signals―in brain simulations. Journal of Artificial General Intelligence, 2013, 4, 44-88.	0.6	2
1164	The Increase of the Functional Entropy of the Human Brain with Age. Scientific Reports, 2013, 3, 2853.	1.6	72
1165	Reinforcement Learning and Dopamine in Schizophrenia: Dimensions of Symptoms or Specific Features of a Disease Group?. Frontiers in Psychiatry, 2013, 4, 172.	1.3	74
1166	The Computational Anatomy of Psychosis. Frontiers in Psychiatry, 2013, 4, 47.	1.3	608
1167	Advanced electrophysiology. , 0, , 459-473.		0
1168	Dynamical Systems and Models of Continuous Time. , 2013, , .		8
1169	Regards neuropsychologiques et cliniques sur « les mouvements » du membre fantôme chez l'amputé. Movement and Sports Sciences - Science Et Motricite, 2013, , 105-114.	0.2	0
1170	Schizophrenia as a Network Disease: Disruption of Emergent Brain Function in Patients with Auditory Hallucinations. PLoS ONE, 2013, 8, e50625.	1.1	28
1171	Gum Chewing Inhibits the Sensory Processing and the Propagation of Stress-Related Information in a Brain Network. PLoS ONE, 2013, 8, e57111.	1.1	28
1172	The Neural Dynamics of Conflict Adaptation within a Look-to-Do Transition. PLoS ONE, 2013, 8, e57912.	1.1	20
1173	Efficient Posterior Probability Mapping Using Savage-Dickey Ratios. PLoS ONE, 2013, 8, e59655.	1.1	20
1174	Disrupted Causal Connectivity in Mesial Temporal Lobe Epilepsy. PLoS ONE, 2013, 8, e63183.	1.1	60
1175	Opposite Effective Connectivity in the Posterior Cingulate and Medial Prefrontal Cortex between First-Episode Schizophrenic Patients with Suicide Risk and Healthy Controls. PLoS ONE, 2013, 8, e63477.	1.1	32
1176	Accelerating Computation of DCM for ERP in MATLAB by External Function Calls to the GPU. PLoS ONE, 2013, 8, e66599.	1.1	9
1177	Modulatory Interactions of Resting-State Brain Functional Connectivity. PLoS ONE, 2013, 8, e71163.	1.1	24
1178	Discontinuous Patterns of Brain Activation in the Psychotherapy Process of Obsessive-Compulsive Disorder: Converging Results from Repeated fMRI and Daily Self-Reports. PLoS ONE, 2013, 8, e71863.	1.1	53

#	Article	IF	CITATIONS
1179	Heterogeneous Cerebral Vasoreactivity Dynamics in Patients with Carotid Stenosis. PLoS ONE, 2013, 8, e76072.	1.1	16
1180	Prefrontal Control of the Amygdala during Real-Time fMRI Neurofeedback Training of Emotion Regulation. PLoS ONE, 2013, 8, e79184.	1.1	127
1181	Large-Scale Information Flow in Conscious and Unconscious States: an ECoG Study in Monkeys. PLoS ONE, 2013, 8, e80845.	1.1	78
1182	Bayesian Network Analysis Reveals Alterations to Default Mode Network Connectivity in Individuals at Risk for Alzheimer's Disease. PLoS ONE, 2013, 8, e82104.	1.1	25
1183	The many faces of precision (Replies to commentaries on "Whatever next? Neural prediction, situated) Tj ETQ	q000rgB	ST / Overlock

1184	Sensitive and critical periods in visual sensory deprivation. Frontiers in Psychology, 2013, 4, 664.	1.1	80
1185	Abnormal Neural Connectivity in Schizophrenia and fMRI-Brain-Computer Interface as a Potential Therapeutic Approach. Frontiers in Psychiatry, 2013, 4, 17.	1.3	53
1186	Dysconnectivity in the Frontoparietal Attention Network in Schizophrenia. Frontiers in Psychiatry, 2013, 4, 176.	1.3	53
1187	An electrophysiological validation of stochastic DCM for fMRI. Frontiers in Computational Neuroscience, 2012, 6, 103.	1.2	20
1188	Neural masses and fields in dynamic causal modeling. Frontiers in Computational Neuroscience, 2013, 7, 57.	1.2	210
1189	Odor mental imagery in non-experts in odors: a paradox?. Frontiers in Human Neuroscience, 2013, 7, 87.	1.0	32
1190	Prefrontal inhibition of threat processing reduces working memory interference. Frontiers in Human Neuroscience, 2013, 7, 228.	1.0	45
1191	Dissociations between spatial-attentional processes within parietal cortex: insights from hybrid spatial cueing and change detection paradigms. Frontiers in Human Neuroscience, 2013, 7, 366.	1.0	13
1192	Neural networks underlying contributions from semantics in reading aloud. Frontiers in Human Neuroscience, 2013, 7, 518.	1.0	30
1193	Predicting the behavioral impact of transcranial direct current stimulation: issues and limitations. Frontiers in Human Neuroscience, 2013, 7, 613.	1.0	105
1194	Identification of neural connectivity signatures of autism using machine learning. Frontiers in Human Neuroscience, 2013, 7, 670.	1.0	142
1195	Discriminative analysis of non-linear brain connectivity in schizophrenia: an fMRI Study. Frontiers in Human Neuroscience, 2013, 7, 702.	1.0	55
1196	fMRI evidence for the interaction between orthography and phonology in reading Chinese compound words. Frontiers in Human Neuroscience, 2013, 7, 753.	1.0	6

#	Article	IF	CITATIONS
1197	The potential of corticomuscular and intermuscular coherence for research on human motor control. Frontiers in Human Neuroscience, 2013, 7, 855.	1.0	54
1198	Causal interaction following the alteration of target region activation during motor imagery training using real-time fMRI. Frontiers in Human Neuroscience, 2013, 7, 866.	1.0	17
1199	The Virtual Brain: a simulator of primate brain network dynamics. Frontiers in Neuroinformatics, 2013, 7, 10.	1.3	338
1200	Identifying effective connectivity parameters in simulated fMRI: a direct comparison of switching linear dynamic system, stochastic dynamic causal, and multivariate autoregressive models. Frontiers in Neuroscience, 2013, 7, 70.	1.4	7
1201	Individual differences in social information gathering revealed through Bayesian hierarchical models. Frontiers in Neuroscience, 2013, 7, 165.	1.4	1
1202	Splenium of Corpus Callosum: Patterns of Interhemispheric Interaction in Children and Adults. Neural Plasticity, 2013, 2013, 1-12.	1.0	94
1203	Brain Connectivity Plasticity in the Motor Network after Ischemic Stroke. Neural Plasticity, 2013, 2013, 1-11.	1.0	56
1204	Neuroimaging Connectivity Analyses and Their Application in Psychiatric Research. , 2014, , 2522-2537.		1
1205	First-Episode Medication-Naive Major Depressive Disorder Is Associated with Altered Resting Brain Function in the Affective Network. PLoS ONE, 2014, 9, e85241.	1.1	75
1206	Functional Magnetic Resonance Imaging Connectivity Analyses Reveal Efference-Copy to Primary Somatosensory Area, BA2. PLoS ONE, 2014, 9, e84367.	1.1	22
1207	Neural Plasticity in Human Brain Connectivity: The Effects of Long Term Deep Brain Stimulation of the Subthalamic Nucleus in Parkinson's Disease. PLoS ONE, 2014, 9, e86496.	1.1	95
1208	Behavior Modulates Effective Connectivity between Cortex and Striatum. PLoS ONE, 2014, 9, e89443.	1.1	26
1209	Connectivity Changes Underlying Neurofeedback Training of Visual Cortex Activity. PLoS ONE, 2014, 9, e91090.	1.1	22
1210	Increasing fMRI Sampling Rate Improves Granger Causality Estimates. PLoS ONE, 2014, 9, e100319.	1.1	28
1211	Connectotyping: Model Based Fingerprinting of the Functional Connectome. PLoS ONE, 2014, 9, e111048.	1.1	182
1212	An Antidote to the Imager's Fallacy, or How to Identify Brain Areas That Are in Limbo. PLoS ONE, 2014, 9, e115700.	1.1	13
1213	Using brain stimulation to disentangle neural correlates of conscious vision. Frontiers in Psychology, 2014, 5, 1019.	1.1	21
1214	A pooling-LiNGAM algorithm for effective connectivity analysis of fMRI data. Frontiers in Computational Neuroscience, 2014, 8, 125.	1.2	15

	Cı¬	tation Report	
#	Article	IF	CITATIONS
1215	Bayesian networks in neuroscience: a survey. Frontiers in Computational Neuroscience, 2014, 8, 131.	1.2	94
1216	Beyond the ââ,¬Å"urge to moveââ,¬Â• objective measures for the study of agency in the post-Libet Frontiers in Human Neuroscience, 2014, 8, 450.	era. 1.0	47
1217	An investigation of the neural circuits underlying reaching and reach-to-grasp movements: from planning to execution. Frontiers in Human Neuroscience, 2014, 8, 676.	1.0	35
1218	Integrating neuroinformatics tools in TheVirtualBrain. Frontiers in Neuroinformatics, 2014, 8, 36.	1.3	26
1219	Variational Bayesian causal connectivity analysis for fMRI. Frontiers in Neuroinformatics, 2014, 8, 45.	1.3	10
1220	Algorithms of causal inference for the analysis of effective connectivity among brain regions. Frontiers in Neuroinformatics, 2014, 8, 64.	1.3	27
1221	Activity in dlPFC and its effective connectivity to vmPFC are associated with temporal discounting. Frontiers in Neuroscience, 2014, 8, 50.	1.4	160
1222	Missing data estimation in fMRI dynamic causal modeling. Frontiers in Neuroscience, 2014, 8, 191.	1.4	6
1223	Estimation of effective connectivity via data-driven neural modeling. Frontiers in Neuroscience, 2014, 8, 383.	1.4	50
1224	A systematic framework for functional connectivity measures. Frontiers in Neuroscience, 2014, 8, 405	j. 1.4	279
1225	Oscillatory motor network activity during rest and movement: an fNIRS study. Frontiers in Systems Neuroscience, 2014, 8, 13.	1.2	40
1226	Altered prefrontal connectivity after acute heroin administration during cognitive control. International Journal of Neuropsychopharmacology, 2014, 17, 1375-1385.	1.0	16
1227	The effect of acutely administered MDMA on subjective and BOLD-fMRI responses to favourite and worst autobiographical memories. International Journal of Neuropsychopharmacology, 2014, 17, 527-540.	1.0	75
1228	Binocular Rivalry: Frontal Activity Relates to Introspection and Action But Not to Perception. Journal of Neuroscience, 2014, 34, 1738-1747.	1.7	284
1229	Monitoring epilepsy in the intensive care unit: Current state of facts and potential interest of high density EEG. Brain Injury, 2014, 28, 1151-1155.	0.6	10
1230	Sparse representation of working memory processes based on fMRI data. , 2014, , .		0
1231	A nonlinear model of fMRI BOLD signal including the trend component. , 2014, , .		2
1232	Effective Connectivity Reveals Right-Hemisphere Dominance in Audiospatial Perception: Implications for Models of Spatial Neglect. Journal of Neuroscience, 2014, 34, 5003-5011.	1.7	74

#	Article	IF	CITATIONS
1233	Suppressing unwanted memories reduces their unconscious influence via targeted cortical inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1310-9.	3.3	103
1234	Spatial Attention, Precision, and Bayesian Inference: A Study of Saccadic Response Speed. Cerebral Cortex, 2014, 24, 1436-1450.	1.6	151
1235	Motivational Tuning of Fronto-Subthalamic Connectivity Facilitates Control of Action Impulses. Journal of Neuroscience, 2014, 34, 3210-3217.	1.7	66
1236	Brain Imaging Analysis. Annual Review of Statistics and Its Application, 2014, 1, 61-85.	4.1	40
1237	Quantification of causal couplings via dynamical effects: A unifying perspective. Physical Review E, 2014, 90, 062921.	0.8	35
1238	Effective Connectivity Maps in the Swine Somatosensory Cortex Estimated from Electrocorticography and Validated with Intracortical Local Field Potential Measurements. Brain Connectivity, 2014, 4, 100-111.	0.8	6
1239	Abnormal effective connectivity and psychopathological symptoms in the psychosis high-risk state. Journal of Psychiatry and Neuroscience, 2014, 39, 239-248.	1.4	39
1240	Network Imaging. , 2014, , 77-89.		2
1241	Serial processing in primary and secondary somatosensory cortex: A DCM analysis of human fMRI data in response to innocuous and noxious electrical stimulation. Neuroscience Letters, 2014, 577, 83-88.	1.0	26
1242	Functional asymmetry and effective connectivity of the auditory system during speech perception is modulated by the place of articulation of the consonant- A 7T fMRI study. Frontiers in Psychology, 2014, 5, 549.	1.1	5
1243	Relating Structure and Function in the Human Brain: Relative Contributions of Anatomy, Stationary Dynamics, and Non-stationarities. PLoS Computational Biology, 2014, 10, e1003530.	1.5	193
1244	Neural Fields, Masses and Bayesian Modelling. , 2014, , 433-455.		6
1245	Bidirectional Control of Absence Seizures by the Basal Ganglia: A Computational Evidence. PLoS Computational Biology, 2014, 10, e1003495.	1.5	87
1246	VBA: A Probabilistic Treatment of Nonlinear Models for Neurobiological and Behavioural Data. PLoS Computational Biology, 2014, 10, e1003441.	1.5	278
1247	Dysfunction and Dysconnection in Corticalââ,¬â€œStriatal Networks during Sustained Attention: Genetic Risk for Schizophrenia or Bipolar Disorder and its Impact on Brain Network Function. Frontiers in Psychiatry, 2014, 5, 50.	1.3	45
1248	Vulnerability of the ventral language network in children with focal epilepsy. Brain, 2014, 137, 2245-2257.	3.7	24
1249	Inter- and Intrahemispheric Connectivity Differences When Reading Japanese Kanji and Hiragana. Cerebral Cortex, 2014, 24, 1601-1608.	1.6	29
1250	Biological constrained learning of parameters in a recurrent neural network-based model of the primary visual cortex. , 2014, , .		0

#	Article	IF	CITATIONS
1251	The Rise and Fall of the Recent Past. Psychology of Learning and Motivation - Advances in Research and Theory, 2014, , 191-226.	0.5	3
1252	State-space models of impulse hemodynamic responses over motor, somatosensory, and visual cortices. Biomedical Optics Express, 2014, 5, 1778.	1.5	88
1253	Estimation of Regional Activation Maps and Interdependencies from Minimum Norm Estimates of Magnetoencephalography (MEG) Data. Neuromethods, 2014, , 267-289.	0.2	1
1254	Bounded-observation Kalman filtering of correlation in multivariate neural recordings. , 2014, 2014, 5052-5.		5
1255	Design of the first neuronal connectomics challenge: From imaging to connectivity. , 2014, , .		2
1256	Reciprocal Interactions of the SMA and Cingulate Cortex Sustain Premovement Activity for Voluntary Actions. Journal of Neuroscience, 2014, 34, 16397-16407.	1.7	77
1257	Altered white matter microstructural connectivity in cluster headaches: A longitudinal diffusion tensor imaging study. Cephalalgia, 2014, 34, 1040-1052.	1.8	26
1258	Neural Fields. , 2014, , .		80
1259	Biâ€directional modulation of somatosensory mismatch negativity with transcranial direct current stimulation: an event related potential study. Journal of Physiology, 2014, 592, 745-757.	1.3	38
1261	Estimation of high-dimensional brain connectivity from FMRI data using factor modeling. , 2014, , .		4
1262	Annual Research Review: Reaction time variability in <scp>ADHD</scp> and autism spectrum disorders: measurement and mechanisms of a proposed transâ€diagnostic phenotype. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2014, 55, 685-710.	3.1	217
1263	The control of complex finger movements by directional information flow between mesial frontocentral areas and the primary motor cortex. European Journal of Neuroscience, 2014, 40, 2888-2897.	1.2	21
1264	Analyzing taskâ€dependent brain network changes by wholeâ€brain psychophysiological interactions: A comparison to conventional analysis. Human Brain Mapping, 2014, 35, 5071-5082.	1.9	44
1265	Revisiting the adaptive and maladaptive effects of crossmodal plasticity. Neuroscience, 2014, 283, 44-63.	1.1	80
1266	Networks involved in olfaction and their dynamics using independent component analysis and unified structural equation modeling. Human Brain Mapping, 2014, 35, 2055-2072.	1.9	40
1267	Functional activity and effective connectivity of the posterior medial prefrontal cortex during processing of incongruent mental states. Human Brain Mapping, 2014, 35, 2950-2965.	1.9	34
1268	Functional Magnetic Resonance Imaging Processing. , 2014, , .		4
1269	Inferring functional interaction and transition patterns via dynamic bayesian variable partition models. Human Brain Mapping, 2014, 35, 3314-3331.	1.9	34

#	Article	IF	CITATIONS
1270	A Common Neural Code for Perceived and Inferred Emotion. Journal of Neuroscience, 2014, 34, 15997-16008.	1.7	123
1271	Bilingual brain training: A neurobiological framework of how bilingual experience improves executive function. International Journal of Bilingualism, 2014, 18, 67-92.	0.6	104
1272	Big data analysis of the human brain's functional interactions based on fMRI. Science Bulletin, 2014, 59, 5059-5065.	1.7	4
1273	Effective connectivity of the subthalamic nucleus–globus pallidus network during Parkinsonian oscillations. Journal of Physiology, 2014, 592, 1429-1455.	1.3	84
1274	Great Expectations: Using Whole-Brain Computational Connectomics for Understanding Neuropsychiatric Disorders. Neuron, 2014, 84, 892-905.	3.8	345
1275	Effective connectivity at synaptic level in humans: a review and future prospects. Biological Cybernetics, 2014, 108, 713-733.	0.6	7
1276	Guiding functional connectivity estimation by structural connectivity in MEG: an application to discrimination of conditions of mild cognitive impairment. NeuroImage, 2014, 101, 765-777.	2.1	54
1277	Dynamic causal modeling of load-dependent modulation of effective connectivity within the verbal working memory network. Human Brain Mapping, 2014, 35, 3025-3035.	1.9	53
1278	Association Between Structural and Functional Connectivity in the Verb Generation Network. Brain Connectivity, 2014, 4, 221-229.	0.8	2
1279	Differential Contribution of Bilateral Supplementary Motor Area to the Effective Connectivity Networks Induced by Task Conditions Using Dynamic Causal Modeling. Brain Connectivity, 2014, 4, 256-264.	0.8	14
1280	Transcranial magnetic stimulation-induced global propagation of transient phase resetting associated with directional information flow. Frontiers in Human Neuroscience, 2014, 8, 173.	1.0	40
1281	Active inference, eye movements and oculomotor delays. Biological Cybernetics, 2014, 108, 777-801.	0.6	44
1282	A mathematical model of dysfunction of the thalamo-cortical loop in schizophrenia. Theoretical Biology and Medical Modelling, 2014, 11, 45.	2.1	5
1283	Altered connectivity within the salience network during direct eye gaze in PTSD. Borderline Personality Disorder and Emotion Dysregulation, 2014, 1, 17.	1.1	25
1284	Transcranial brain stimulation to promote functional recovery after stroke. Current Opinion in Neurology, 2014, 27, 54-60.	1.8	30
1285	Structural Loop Between the Cerebellum and the Superior Temporal Sulcus: Evidence from Diffusion Tensor Imaging. Cerebral Cortex, 2014, 24, 626-632.	1.6	107
1286	The use of magnetoencephalography in the study of psychopharmacology (pharmaco-MEG). Journal of Psychopharmacology, 2014, 28, 815-829.	2.0	34
1287	Estimating neural response functions from fMRI. Frontiers in Neuroinformatics, 2014, 8, 48.	1.3	7

		CITATION R	EPORT	
#	Article		IF	CITATIONS
1288	The Neurobiology of Childhood. Current Topics in Behavioral Neurosciences, 2014, , .		0.8	4
1289	Measuring the Dynamics of Information Processing on a Local Scale in Time and Space Complex Systems, 2014, , 161-193.	. Understanding	0.3	20
1290	Neuroimaging, Neural Population Models for. , 2014, , 1-29.			3
1291	Directed Information Transfer in Scalp Electroencephalographic Recordings. Clinical EE Neuroscience, 2014, 45, 33-39.	G and	0.9	32
1292	Functional Magnetic Resonance Imaging in Narcolepsy and the Kleineââ,¬â€œLevin S Neurology, 2014, 5, 105.	iyndrome. Frontiers in	1.1	16
1293	Mapping Epileptic Activity: Sources or Networks for the Clinicians?. Frontiers in Neurol 218.	ogy, 2014, 5,	1.1	55
1294	Attempted and Successful Compensation in Preclinical and Early Manifest Neurodegen Review of Task fMRI Studies. Frontiers in Psychiatry, 2014, 5, 132.	eration ââ,¬â€œ A	1.3	61
1295	Imaging Structure and Function. , 2014, , 585-605.			3
1296	Tinnitus: Mechanisms Induced from Human Functional Neuroimaging Studies. Seminar 2014, 35, 131-144.	s in Hearing,	0.5	3
1297	Toward a New Application of Real-Time Electrophysiology: Online Optimization of Cog Neurosciences Hypothesis Testing. Brain Sciences, 2014, 4, 49-72.	nitive	1.1	14
1298	Corticolimbic connectivity as a possible biomarker for bipolar disorder. Expert Review c Neurotherapeutics, 2014, 14, 631-650.	of	1.4	41
1299	The Importance of Premotor Cortex for Supporting Speech Production after Left Capsu Damage. Journal of Neuroscience, 2014, 34, 14338-14348.	ılar-Putaminal	1.7	23
1300	Effective Connectivity During Feature-Based Attentional Capture: Evidence Against the Reorienting Hypothesis of TPJ. Cerebral Cortex, 2014, 24, 3131-3141.	Attentional	1.6	50
1301	Identifying functional coâ€activation patterns in neuroimaging studies via poisson gra Biometrics, 2014, 70, 812-822.	phical models.	0.8	12
1302	Reduced fMRI activity predicts relapse in patients recovering from stimulant dependen Mapping, 2014, 35, 414-428.	ce. Human Brain	1.9	52
1303	Network Connectivity and Individual Responses to Brain Stimulation in the Human Mo Cerebral Cortex, 2014, 24, 1697-1707.	tor System.	1.6	95
1304	Modeling the BOLD correlates of competitive neural dynamics. Neural Networks, 2014	, 49, 1-10.	3.3	10
1305	The feedback-related negativity (FRN) revisited: New insights into the localization, mean network organization. NeuroImage, 2014, 84, 159-168.	ning and	2.1	338

~		~	
(11		REPO	דסר
	IAL	IL PU	ואכ

#	Article	IF	CITATIONS
1306	Oxytocin and the social brain: Neural mechanisms and perspectives in human research. Brain Research, 2014, 1580, 160-171.	1.1	105
1307	Connectivity between Right Inferior Frontal Gyrus and Supplementary Motor Area Predicts After-Effects of Right Frontal Cathodal tDCS on Picture Naming Speed. Brain Stimulation, 2014, 7, 122-129.	0.7	43
1308	Bayesian model selection for group studies — Revisited. NeuroImage, 2014, 84, 971-985.	2.1	490
1310	Delineating the cortico-striatal-cerebellar network in implicit motor sequence learning. NeuroImage, 2014, 94, 222-230.	2.1	50
1311	Deconvolution of neural dynamics from fMRI data using a spatiotemporal hemodynamic response function. NeuroImage, 2014, 94, 203-215.	2.1	43
1312	Network connectivity modulates power spectrum scale invariance. NeuroImage, 2014, 90, 436-448.	2.1	19
1313	The free-energy self: A predictive coding account of self-recognition. Neuroscience and Biobehavioral Reviews, 2014, 41, 85-97.	2.9	364
1315	Mimicking human neuronal pathways in silico: an emergent model on the effective connectivity. Journal of Computational Neuroscience, 2014, 36, 235-257.	0.6	9
1316	Phase transfer entropy: A novel phase-based measure for directed connectivity in networks coupled by oscillatory interactions. NeuroImage, 2014, 85, 853-872.	2.1	235
1317	Identifying the default mode network structure using dynamic causal modeling on resting-state functional magnetic resonance imaging. NeuroImage, 2014, 86, 53-59.	2.1	114
1318	Evidence for working memory storage operations in perceptual cortex. Cognitive, Affective and Behavioral Neuroscience, 2014, 14, 117-128.	1.0	17
1319	Mirror Neuron System and Mentalizing System connect during online social interaction. Cognitive Processing, 2014, 15, 307-316.	0.7	70
1320	A new dynamic Bayesian network approach for determining effective connectivity from fMRI data. Neural Computing and Applications, 2014, 24, 91-97.	3.2	18
1321	Spatiotemporal hemodynamic response functions derived from physiology. Journal of Theoretical Biology, 2014, 347, 118-136.	0.8	38
1322	Resting state functional MRI in Parkinson's disease: the impact of deep brain stimulation on â€effective' connectivity. Brain, 2014, 137, 1130-1144.	3.7	196
1323	Functional cortical connectivity analysis of mental fatigue unmasks hemispheric asymmetry and changes in small-world networks. Brain and Cognition, 2014, 85, 220-230.	0.8	127
1324	Brain complex network analysis by means of resting state fMRI and graph analysis: Will it be helpful in clinical epilepsy?. Epilepsy and Behavior, 2014, 38, 71-80.	0.9	45
1325	Network dysfunction after traumatic brain injury. Nature Reviews Neurology, 2014, 10, 156-166.	4.9	528

#	Article	IF	CITATIONS
1326	A DCM for resting state fMRI. NeuroImage, 2014, 94, 396-407.	2.1	460
1327	Green tea extract enhances parieto-frontal connectivity during working memory processing. Psychopharmacology, 2014, 231, 3879-3888.	1.5	44
1328	Directed Information Measures in Neuroscience. Understanding Complex Systems, 2014, , .	0.3	95
1329	A comparison of statistical methods for detecting context-modulated functional connectivity in fMRI. NeuroImage, 2014, 84, 1042-1052.	2.1	168
1330	The cross-functional role of frontoparietal regions in cognition: internal attention as the overarching mechanism. Progress in Neurobiology, 2014, 116, 66-86.	2.8	75
1331	Large-scale brain dynamics in disorders of consciousness. Current Opinion in Neurobiology, 2014, 25, 7-14.	2.0	115
1332	Attentional modulation of reward processing in the human brain. Human Brain Mapping, 2014, 35, 3036-3051.	1.9	28
1333	Re-thinking the role of motor cortex: Context-sensitive motor outputs?. NeuroImage, 2014, 91, 366-374.	2.1	81
1334	Capturing Connectivity and Causality in Complex Industrial Processes. SpringerBriefs in Applied Sciences and Technology, 2014, , .	0.2	43
1335	The MVGC multivariate Granger causality toolbox: A new approach to Granger-causal inference. Journal of Neuroscience Methods, 2014, 223, 50-68.	1.3	790
1336	Neural network of cognitive emotion regulation — An ALE meta-analysis and MACM analysis. NeuroImage, 2014, 87, 345-355.	2.1	719
1337	Transcranial Magnetic Stimulation. Neuromethods, 2014, , .	0.2	52
1338	A Genetically Informed, Group fMRI Connectivity Modeling Approach: Application to Schizophrenia. IEEE Transactions on Biomedical Engineering, 2014, 61, 946-956.	2.5	12
1339	Developmental changes in effective connectivity associated with relational reasoning. Human Brain Mapping, 2014, 35, 3262-3276.	1.9	26
1340	Stratified medicine for mental disorders. European Neuropsychopharmacology, 2014, 24, 5-50.	0.3	152
1341	Bayesian network models in brain functional connectivity analysis. International Journal of Approximate Reasoning, 2014, 55, 23-35.	1.9	15
1342	Fusing concurrent EEG–fMRI with dynamic causal modeling: Application to effective connectivity during face perception. NeuroImage, 2014, 102, 60-70.	2.1	46
1343	Connectivity-based approaches in stroke and recovery of function. Lancet Neurology, The, 2014, 13, 206-216.	4.9	416

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1344	Neuroimaging of Epilepsy: Lesions, Networks, Oscillations. Clinical Neuroradiology, 201	.4, 24, 5-15.	1.0	20
1345	Exploring the network dynamics underlying brain activity during rest. Progress in Neuro 114, 102-131.	biology, 2014,	2.8	309
1346	Computational approaches to psychiatry. Current Opinion in Neurobiology, 2014, 25, 8	35-92.	2.0	203
1347	Dorsal and Ventral Attention Systems. Neuroscientist, 2014, 20, 150-159.		2.6	1,012
1348	Cross-Frequency Power Coupling Between Hierarchically Organized Face-Selective Area Cortex, 2014, 24, 2409-2420.	s. Cerebral	1.6	25
1349	Computational Psychiatry. Neuron, 2014, 84, 638-654.		3.8	291
1350	The Chronnectome: Time-Varying Connectivity Networks as the Next Frontier in fMRI D Neuron, 2014, 84, 262-274.	ata Discovery.	3.8	1,143
1351	Elevated reward-related neural activation as a unique biological marker of bipolar disord Assessment and treatment implications. Behaviour Research and Therapy, 2014, 62, 74		1.6	58
1352	Causal Inference for fMRI Time Series Data With Systematic Errors of Measurement in a On/Off Study of Social Evaluative Threat. Journal of the American Statistical Association 967-976.	a Balanced 1, 2014, 109,	1.8	13
1353	FAST INdiCATE Trial Protocol. Clinical Efficacy of Functional Strength Training for Upper Recovery Early after Stroke: Neural Correlates and Prognostic Indicators. International J Stroke, 2014, 9, 240-245.	Limb Motor ournal of	2.9	5
1354	The functional anatomy of schizophrenia: A dynamic causal modeling study of predictive Schizophrenia Research, 2014, 158, 204-212.	'e coding.	1.1	67
1355	Interactive activation and competition models and semantic context: From behavioral t Neuroscience and Biobehavioral Reviews, 2014, 46, 85-104.	o brain data.	2.9	79
1356	How music alters a kiss: superior temporal gyrus controls fusiform–amygdalar effect connectivity. Social Cognitive and Affective Neuroscience, 2014, 9, 1770-1778.	ve	1.5	34
1357	Altered processing of sensory stimuli in patients with migraine. Nature Reviews Neurolo 144-155.	ogy, 2014, 10,	4.9	246
1358	Dynamic Modulation of Amygdala–Hippocampal Connectivity by Emotional Arousal. Neuroscience, 2014, 34, 13935-13947.	Journal of	1.7	103
1359	Sequential evolution of cortical activity and effective connectivity of swallowing using Brain Mapping, 2014, 35, 5962-5973.	MRI. Human	1.9	38
1360	Adaptive Covariance Estimation of Non-Stationary Processes and its Application to Infe Connectivity From fMRI. IEEE Transactions on Biomedical Circuits and Systems, 2014, 8		2.7	17
1361	The elusive concept of brain network. Physics of Life Reviews, 2014, 11, 448-451.		1.5	5

#	Article	IF	CITATIONS
1362	MR Diffusion Tractography. , 2014, , 429-451.		14
1363	Structural connectivity based whole brain modelling in epilepsy. Journal of Neuroscience Methods, 2014, 236, 51-57.	1.3	58
1364	Meta-analytic connectivity modeling revisited: Controlling for activation base rates. NeuroImage, 2014, 99, 559-570.	2.1	44
1365	Modelling Effective Connectivity with Dynamic Causal Models. , 2014, , 47-58.		0
1366	Evoked effective connectivity of the human neocortex. Human Brain Mapping, 2014, 35, 5736-5753.	1.9	72
1367	Direct Imaging of Functional Networks. Brain Connectivity, 2014, 4, 481-486.	0.8	6
1368	Extracting novel information from neuroimaging data using neural fields. EPJ Nonlinear Biomedical Physics, 2014, 2, .	0.8	9
1369	Extracting novel information from neuroimaging data using neural fields. BMC Neuroscience, 2014, 15, .	0.8	0
1370	Effective connectivity of the posterior cingulate and medial prefrontal cortices relates to working memory impairment in schizophrenic and bipolar patients. Schizophrenia Research, 2014, 158, 85-90.	1.1	41
1371	Behavioral Relevance of the Dynamics of the Functional Brain Connectome. Brain Connectivity, 2014, 4, 741-759.	0.8	105
1372	Development of spatial integration depends on top-down and interhemispheric connections that can be perturbed in migraine: a DCM analysis. Neurological Sciences, 2014, 35, 215-224.	0.9	15
1373	Neural Evidence for Adaptive Strategy Selection in Value-Based Decision-Making. Cerebral Cortex, 2014, 24, 2009-2021.	1.6	27
1374	Intra- and inter-hemispheric effective connectivity in the human somatosensory cortex during pressure stimulation. BMC Neuroscience, 2014, 15, 43.	0.8	30
1375	Fractal analysis of spontaneous fluctuations of the BOLD signal in the human brain networks. Journal of Magnetic Resonance Imaging, 2014, 39, 1118-1125.	1.9	1
1376	Subcortical amygdala pathways enable rapid face processing. NeuroImage, 2014, 102, 309-316.	2.1	88
1377	Determination of effective brain connectivity from functional connectivity with application to resting state connectivities. Physical Review E, 2014, 90, 012707.	0.8	48
1378	Efficient gradient computation for dynamical models. NeuroImage, 2014, 98, 521-527.	2.1	48
1379	Domain-specific suppression of auditory mismatch negativity with transcranial direct current stimulation. Clinical Neurophysiology, 2014, 125, 585-592.	0.7	29

		CITATION R	EPORT	
#	ARTICLE		IF	Citations
1380	Lag-based effective connectivity applied to fMRI: A simulation study highlighting dependence experimental parameters and formulation. NeuroImage, 2014, 89, 358-377.	e on	2.1	57
1381	Non-Gaussian methods and high-pass filters in the estimation of effective connections. Neur 2014, 84, 986-1006.	olmage,	2.1	42
1382	Dynamic changes of spatial functional network connectivity in healthy individuals and schize patients using independent vector analysis. NeuroImage, 2014, 90, 196-206.	ophrenia	2.1	175
1383	General overview on the merits of multimodal neuroimaging data fusion. NeuroImage, 2014,	, 102, 3-10.	2.1	179
1384	Modular structure of functional networks in olfactory memory. NeuroImage, 2014, 95, 264-2	275.	2.1	77
1385	Distinct brain activity in processing negative pictures of animals and objects — The role of contexts. Neurolmage, 2014, 84, 901-910.	human	2.1	17
1386	Contrast gain control and horizontal interactions in V1: A DCM study. NeuroImage, 2014, 92	2, 143-155.	2.1	64
1387	Lateralized alpha-band cortical networks regulate volitional modulation of beta-band sensori oscillations. NeuroImage, 2014, 87, 147-153.	motor	2.1	55
1388	Dissecting psychiatric spectrum disorders by generative embedding. NeuroImage: Clinical, 20 98-111.	014, 4,	1.4	150
1389	Strength of Retinotopic Representation of Visual Memories is Modulated by Strategy. Cereb 2014, 24, 281-292.	ral Cortex,	1.6	9
1390	Brain Images, Babies, and Bathwater: <i>Critiquing Critiques of Functional Neuroimaging</i> Center Report, 2014, 44, S19-30.	•. Hastings	0.7	57
1391	ParceLiNGAM: A Causal Ordering Method Robust Against Latent Confounders. Neural Comp 2014, 26, 57-83.	utation,	1.3	29
1392	Lag structure in resting-state fMRI. Journal of Neurophysiology, 2014, 111, 2374-2391.		0.9	161
1393	Handedness and effective connectivity of the motor system. NeuroImage, 2014, 99, 451-460	0.	2.1	97
1394	Flexible modulation of network connectivity related to cognition in Alzheimer's disease. Neu 2014, 100, 544-557.	rolmage,	2.1	18
1395	The salience network is responsible for switching between the default mode network and the executive network: Replication from DCM. NeuroImage, 2014, 99, 180-190.	e central	2.1	562
1396	Reversal of cortical information flow during visual imagery as compared to visual perception. NeuroImage, 2014, 100, 237-243.		2.1	90
1397	A tutorial on variational Bayes for latent linear stochastic time-series models. Journal of Mathematical Psychology, 2014, 60, 1-19.		1.0	22

#	Article	IF	CITATIONS
1398	Modeling Resting-State Functional Networks When the Cortex Falls Asleep: Local and Global Changes. Cerebral Cortex, 2014, 24, 3180-3194.	1.6	65
1399	How Local Excitation-Inhibition Ratio Impacts the Whole Brain Dynamics. Journal of Neuroscience, 2014, 34, 7886-7898.	1.7	303
1400	Network Community Structure Detection for Directional Neural Networks Inferred From Multichannel Multisubject EEG Data. IEEE Transactions on Biomedical Engineering, 2014, 61, 1919-1930.	2.5	22
1401	On nodes and modes in resting state fMRI. NeuroImage, 2014, 99, 533-547.	2.1	72
1402	Simultaneous EEG-fMRI: Trial level spatio-temporal fusion for hierarchically reliable information discovery. NeuroImage, 2014, 99, 28-41.	2.1	28
1403	Diagnostic and clinical implications of functional neuroimaging in bipolar disorder. Journal of Psychiatric Research, 2014, 57, 12-25.	1.5	39
1404	Trans3D: A free tool for dynamical visualization of EEG activity transmission in the brain. Computers in Biology and Medicine, 2014, 51, 214-222.	3.9	7
1405	Age-related differences in effective connectivity of brain regions involved in Japanese kanji processing with homophone judgment task. Brain and Language, 2014, 135, 32-41.	0.8	6
1406	Spatial–temporal modelling of fMRI data through spatially regularized mixture of hidden process models. Neurolmage, 2014, 84, 657-671.	2.1	9
1407	Topâ€down and bottomâ€up influences on the left ventral occipitoâ€ŧemporal cortex during visual word recognition: An analysis of effective connectivity. Human Brain Mapping, 2014, 35, 1668-1680.	1.9	42
1408	Stochastic dynamic causal modeling of working memory connections in cocaine dependence. Human Brain Mapping, 2014, 35, 760-778.	1.9	29
1409	Distant functional connectivity for bimanual finger coordination declines with aging: an fMRI and SEM exploration. Frontiers in Human Neuroscience, 2014, 8, 251.	1.0	24
1410	Computational Neuropsychiatry ââ,¬â€œ Schizophrenia as a Cognitive Brain Network Disorder. Frontiers in Psychiatry, 2014, 5, 30.	1.3	32
1411	The effects of psilocybin and MDMA on between-network resting state functional connectivity in healthy volunteers. Frontiers in Human Neuroscience, 2014, 8, 204.	1.0	181
1412	Combined State and Parameter Reduction. Proceedings in Applied Mathematics and Mechanics, 2014, 14, 825-826.	0.2	0
1413	Methods for Connectivity Analysis in fMRI. Frontiers in Neuroengineering Series, 2014, , 197-222.	0.4	2
1414	Brain Connectivity. Frontiers in Neuroengineering Series, 2014, , 1-9.	0.4	8
1415	Joint estimation of the fractional differentiation orders and the unknown input for linear fractional non-commensurate system. , 2015, , .		3

#	Article	IF	CITATIONS
1416	Systems Neuroengineering: Understanding and Interacting with the Brain. Engineering, 2015, 1, 292-308.	3.2	30
1417	On neural connectivity estimation problems. , 2015, 2015, 5400-3.		2
1418	Differential involvement of cortical and cerebellar areas using dominant and nondominant hands: An <scp>FMRI</scp> study. Human Brain Mapping, 2015, 36, 5079-5100.	1.9	36
1419	Neuroticism and conscientiousness respectively constrain and facilitate shortâ€ŧerm plasticity within the working memory neural network. Human Brain Mapping, 2015, 36, 4158-4163.	1.9	36
1421	Relating Granger causality to long-term causal effects. Physical Review E, 2015, 92, 042138.	0.8	17
1422	Modularity and the spread of perturbations in complex dynamical systems. Physical Review E, 2015, 92, 060801.	0.8	7
1423	Validation of brain connectivity analysis using fMRI simulation. International Journal of Engineering Systems Modelling and Simulation, 2015, 7, 279.	0.2	0
1425	Searching Multiregression Dynamic Models of Resting-State fMRI Networks Using Integer Programming. Bayesian Analysis, 2015, 10, .	1.6	25
1427	Impaired Frontal-Basal Ganglia Connectivity in Adolescents with Internet Addiction. Scientific Reports, 2014, 4, 5027.	1.6	58
1428	The enhanced information flow from visual cortex to frontal area facilitates SSVEP response: evidence from model-driven and data-driven causality analysis. Scientific Reports, 2015, 5, 14765.	1.6	25
1429	Autoregressive modeling of fMRI time series: state space approaches and the general linear model. , 0, , 79-113.		0
1430	State space models and their spectral decomposition in dynamic causal modeling. , 0, , 114-136.		0
1431	A Novel Double Oscillation Model for Prediction of fMRI BOLD Signals without Detrending. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1924-1936.	0.2	0
1432	A Pontine Region is a Neural Correlate of the Human Affective Processing Network. EBioMedicine, 2015, 2, 1799-1805.	2.7	11
1433	Toward a BICA-Model-Based Study of Cognition Using Brain Imaging Techniques. Procedia Computer Science, 2015, 71, 254-264.	1.2	8
1434	Scene unseen: Disrupted neuronal adaptation in melancholia during emotional film viewing. NeuroImage: Clinical, 2015, 9, 660-667.	1.4	26
1436	Reduced neural connectivity but increased taskâ€related activity during working memory in de novo <scp>P</scp> arkinson patients. Human Brain Mapping, 2015, 36, 1554-1566.	1.9	57
1437	The influence of EM estimation of missing nodes in DCM on model ranking. , 2015, , .		0

#	Article	IF	CITATIONS
1438	Reward breaks through centerâ€surround inhibition via anterior insula. Human Brain Mapping, 2015, 36, 5233-5251.	1.9	33
1439	Development of effective connectivity in the core network for face perception. Human Brain Mapping, 2015, 36, 2161-2173.	1.9	22
1440	Effective connectivity of brain regions related to visual word recognition: An fMRI study of <scp>C</scp> hinese reading. Human Brain Mapping, 2015, 36, 2580-2591.	1.9	35
1441	A critical role of temporoparietal junction in the integration of topâ€down and bottomâ€up attentional control. Human Brain Mapping, 2015, 36, 4317-4333.	1.9	65
1442	Insight and psychosis: Functional and anatomical brain connectivity and selfâ€reflection in <scp>S</scp> chizophrenia. Human Brain Mapping, 2015, 36, 4859-4868.	1.9	55
1443	Network activity underlying the illusory selfâ€attribution of a dummy arm. Human Brain Mapping, 2015, 36, 2284-2304.	1.9	86
1444	Altered inhibitionâ€related frontolimbic connectivity in obsessive–compulsive disorder. Human Brain Mapping, 2015, 36, 4064-4075.	1.9	40
1445	Simultaneous functional MRI acquisition of distributed brain regions with high temporal resolution using a 2Dâ€selective radiofrequency excitation. Magnetic Resonance in Medicine, 2015, 73, 683-691.	1.9	8
1446	Future of Seizure Prediction and Intervention. Journal of Clinical Neurophysiology, 2015, 32, 194-206.	0.9	67
1447	Stochastic Dynamic Causal Modelling of fMRI Data with Multiple-Model Kalman Filters. Methods of Information in Medicine, 2015, 54, 232-239.	0.7	4
1448	Changes in Effective Connectivity of the Superior Parietal Lobe during Inhibition and Redirection of Eye Movements. Journal of Experimental Neuroscience, 2015, 9s1, JEN.S32736.	2.3	3
1449	Causal manipulation of functional connectivity in a specific neural pathway during behaviour and at rest. ELife, 2015, 4, .	2.8	55
1450	Emotional face expression modulates occipital-frontal effective connectivity during memory formation in a bottom-up fashion. Frontiers in Behavioral Neuroscience, 2015, 9, 90.	1.0	17
1451	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. Frontiers in Behavioral Neuroscience, 2015, 9, 167.	1.0	18
1452	Anticipatory pleasure predicts effective connectivity in the mesolimbic system. Frontiers in Behavioral Neuroscience, 2015, 9, 217.	1.0	6
1453	On the distinguishability of HRF models in fMRI. Frontiers in Computational Neuroscience, 2015, 9, 54.	1.2	6
1454	Approaching a network connectivity-driven classification of the psychosis continuum: a selective review and suggestions for future research. Frontiers in Human Neuroscience, 2014, 8, 1047.	1.0	56
1455	Altered retrieval of melodic information in congenital amusia: insights from dynamic causal modeling of MEG data. Frontiers in Human Neuroscience, 2015, 9, 20.	1.0	55

#	Article	IF	CITATIONS
1456	Structural and effective connectivity reveals potential network-based influences on category-sensitive visual areas. Frontiers in Human Neuroscience, 2015, 9, 253.	1.0	18
1457	Perceptual decision-making difficulty modulates feedforward effective connectivity to the dorsolateral prefrontal cortex. Frontiers in Human Neuroscience, 2015, 9, 498.	1.0	11
1458	Task-related functional connectivity dynamics in a block-designed visual experiment. Frontiers in Human Neuroscience, 2015, 9, 543.	1.0	23
1459	Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. Frontiers in Human Neuroscience, 2015, 9, 634.	1.0	8
1460	Empirical Bayes for Group (DCM) Studies: A Reproducibility Study. Frontiers in Human Neuroscience, 2015, 9, 670.	1.0	41
1461	Assessing parameter identifiability for dynamic causal modeling of fMRI data. Frontiers in Neuroscience, 2015, 9, 43.	1.4	7
1462	Cluster imaging of multi-brain networks (CIMBN): a general framework for hyperscanning and modeling a group of interacting brains. Frontiers in Neuroscience, 2015, 9, 267.	1.4	37
1463	Incorporating priors for EEG source imaging and connectivity analysis. Frontiers in Neuroscience, 2015, 9, 284.	1.4	51
1464	Identification of functional networks in resting state fMRI data using adaptive sparse representation and affinity propagation clustering. Frontiers in Neuroscience, 2015, 9, 383.	1.4	33
1465	BASCO: a toolbox for task-related functional connectivity. Frontiers in Systems Neuroscience, 2015, 9, 126.	1.2	36
1466	State space methods for MEG source reconstruction. , 0, , 53-78.		0
1467	Task-Driven Activity Reduces the Cortical Activity Space of the Brain: Experiment and Whole-Brain Modeling. PLoS Computational Biology, 2015, 11, e1004445.	1.5	76
1468	Computing the Local Field Potential (LFP) from Integrate-and-Fire Network Models. PLoS Computational Biology, 2015, 11, e1004584.	1.5	391
1469	A Spectral Graph Regression Model for Learning Brain Connectivity of Alzheimer's Disease. PLoS ONE, 2015, 10, e0128136.	1.1	35
1470	Network Modeling for Functional Magnetic Resonance Imaging (fMRI) Signals during Ultra-Fast Speech Comprehension in Late-Blind Listeners. PLoS ONE, 2015, 10, e0132196.	1.1	10
1471	The power of using functional fMRI on small rodents to study brain pharmacology and disease. Frontiers in Pharmacology, 2015, 6, 231.	1.6	102
1472	Exploring manual asymmetries during grasping: a dynamic causal modeling approach. Frontiers in Psychology, 2015, 6, 167.	1.1	18
1473	Reorganization of brain networks in aging: a review of functional connectivity studies. Frontiers in Psychology, 2015, 6, 663.	1.1	396

#	Article	IF	CITATIONS
1474	Lagged and instantaneous dynamical influences related to brain structural connectivity. Frontiers in Psychology, 2015, 6, 1024.	1.1	19
1475	Mild cognitive impairment and fMRI studies of brain functional connectivity: the state of the art. Frontiers in Psychology, 2015, 6, 1095.	1.1	46
1476	A Window into the Brain: Advances in Psychiatric fMRI. BioMed Research International, 2015, 2015, 1-12.	0.9	18
1477	Brain Signals of Face Processing as Revealed by Event-Related Potentials. Behavioural Neurology, 2015, 2015, 1-16.	1.1	43
1479	Noninvasive Functional and Anatomical Imaging of the Human Medial Temporal Lobe. Cold Spring Harbor Perspectives in Biology, 2015, 7, a021840.	2.3	9
1480	Local Multimodal Serial Analysis for Fusing EEG-fMRI: A New Method to Study Familial Cortical Myoclonic Tremor and Epilepsy. IEEE Transactions on Autonomous Mental Development, 2015, 7, 311-319.	2.3	12
1481	Dynamic causal modelling of brain–behaviour relationships. NeuroImage, 2015, 117, 202-221.	2.1	28
1482	Dynamic causal modelling for functional near-infrared spectroscopy. NeuroImage, 2015, 111, 338-349.	2.1	41
1483	Effective Connectivity between Hippocampus and Ventromedial Prefrontal Cortex Controls Preferential Choices from Memory. Neuron, 2015, 86, 1078-1090.	3.8	121
1484	Reward Processing in Unipolar and Bipolar Depression: A Functional MRI Study. Neuropsychopharmacology, 2015, 40, 2623-2631.	2.8	136
1485	Inversion of hierarchical Bayesian models using Gaussian processes. NeuroImage, 2015, 118, 133-145.	2.1	12
1486	Functional Consequences of Neurite Orientation Dispersion and Density in Humans across the Adult Lifespan. Journal of Neuroscience, 2015, 35, 1753-1762.	1.7	120
1487	Psychopathology research in the RDoC era: Unanswered questions and the importance of the psychophysiological unit of analysis. International Journal of Psychophysiology, 2015, 98, 330-337.	0.5	63
1488	Test-retest reliability of dynamic causal modeling for fMRI. NeuroImage, 2015, 117, 56-66.	2.1	46
1489	Computational Modeling of Resting-State Activity Demonstrates Markers of Normalcy in Children with Prenatal or Perinatal Stroke. Journal of Neuroscience, 2015, 35, 8914-8924.	1.7	26
1490	A computationally efficient method for brain information-theoretic based causality detection using multichannel EEG. , 2015, , .		0
1491	Inferring causal connectivity in epileptogenic zone using directed information. , 2015, , .		5
1492	Reachability metrics for bilinear complex networks. , 2015, , .		5

#	Article	IF	CITATIONS
1493	Cortical Coupling Reflects Bayesian Belief Updating in the Deployment of Spatial Attention. Journal of Neuroscience, 2015, 35, 11532-11542.	1.7	92
1494	Critical perspectives on causality and inference in brain networks: Allusions, illusions, solutions?. Physics of Life Reviews, 2015, 15, 141-144.	1.5	6
1495	Improving parameter estimation in Dynamic Casual Modeling with Artificial Bee Colony optimization. , 2015, , .		0
1496	No-Report Paradigms: Extracting the True Neural Correlates of Consciousness. Trends in Cognitive Sciences, 2015, 19, 757-770.	4.0	338
1497	General anesthesia reduces the information exchange between heart and circulation. , 2015, 2015, 4029-32.		4
1498	Learning Control Over Emotion Networks Through Connectivity-Based Neurofeedback. Cerebral Cortex, 2017, 27, bhv311.	1.6	108
1499	Connectivity estimation of neural networks using a spike train kernel. , 2015, , .		1
1500	Brain activity dynamics in human parietal regions during spontaneous switches in bistable perception. NeuroImage, 2015, 107, 190-197.	2.1	42
1501	Social Vision: Functional Forecasting and the Integration of Compound Social Cues. Review of Philosophy and Psychology, 2015, 6, 591-610.	1.0	29
1503	Causal influence in neural systems: Reconciling mechanistic-reductionist and statistical perspectives. Physics of Life Reviews, 2015, 15, 130-132.	1.5	2
1504	Visual gravity cues in the interpretation of biological movements: neural correlates in humans. NeuroImage, 2015, 104, 221-230.	2.1	46
1505	Bayesian models for functional magnetic resonance imaging data analysis. Wiley Interdisciplinary Reviews: Computational Statistics, 2015, 7, 21-41.	2.1	54
1506	Adaptive Top–Down Suppression of Hippocampal Activity and the Purging of Intrusive Memories from Consciousness. Journal of Cognitive Neuroscience, 2015, 27, 96-111.	1.1	113
1507	The connectomics of brain disorders. Nature Reviews Neuroscience, 2015, 16, 159-172.	4.9	1,315
1508	Effective connectivity predicts future placebo analgesic response: A dynamic causal modeling study of pain processing in healthy controls. NeuroImage, 2015, 110, 87-94.	2.1	25
1509	Unambiguous reconstruction of network structure using avalanche dynamics. Physical Review E, 2015, 91, 022804.	0.8	5
1510	The use of functional and effective connectivity techniques to understand the developing brain. Developmental Cognitive Neuroscience, 2015, 12, 155-164.	1.9	60
1511	(S)-citalopram influences amygdala modulation in healthy subjects: a randomized placebo-controlled double-blind fMRI study using dynamic causal modeling. NeuroImage, 2015, 108, 243-250.	2.1	39

#	Article	IF	CITATIONS
1512	Predicting functional connectivity from structural connectivity via computational models using MRI: An extensive comparison study. Neurolmage, 2015, 111, 65-75.	2.1	101
1513	Active inference and oculomotor pursuit: The dynamic causal modelling of eye movements. Journal of Neuroscience Methods, 2015, 242, 1-14.	1.3	35
1514	Dynamic Modulation of the Action Observation Network by Movement Familiarity. Journal of Neuroscience, 2015, 35, 1561-1572.	1.7	82
1515	Normalizing effect of heroin maintenance treatment on stress-induced brain connectivity. Brain, 2015, 138, 217-228.	3.7	22
1516	The Salience Network and Its Functional Architecture in a Perceptual Decision: An Effective Connectivity Study. Brain Connectivity, 2015, 5, 362-370.	0.8	34
1517	A Sticky Weighted Regression Model for Time-Varying Resting-State Brain Connectivity Estimation. IEEE Transactions on Biomedical Engineering, 2015, 62, 501-510.	2.5	21
1518	Dopaminergic modulation of motor network dynamics in Parkinson's disease. Brain, 2015, 138, 664-678.	3.7	105
1519	Assessing levels of consciousness with symbolic analysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140117.	1.6	26
1520	fMRI Functional Connectivity Applied to Adolescent Neurodevelopment. Annual Review of Clinical Psychology, 2015, 11, 361-377.	6.3	91
1521	The Prefrontal Cortex Achieves Inhibitory Control by Facilitating Subcortical Motor Pathway Connectivity. Journal of Neuroscience, 2015, 35, 786-794.	1.7	184
1522	Construct validation of a DCM for resting state fMRI. NeuroImage, 2015, 106, 1-14.	2.1	245
1523	Sparse network-based models for patient classification using fMRI. NeuroImage, 2015, 105, 493-506.	2.1	151
1524	Cross-language differences in the brain network subserving intelligible speech. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2972-2977.	3.3	87
1525	Granger Causality Analysis in Neuroscience and Neuroimaging. Journal of Neuroscience, 2015, 35, 3293-3297.	1.7	660
1526	Functional connectivity dynamics: Modeling the switching behavior of the resting state. Neurolmage, 2015, 105, 525-535.	2.1	463
1527	Disrupted Effective Connectivity of Cortical Systems Supporting Attention and Interoception in Melancholia. JAMA Psychiatry, 2015, 72, 350.	6.0	80
1529	Prefrontal cortex and the dysconnectivity hypothesis of schizophrenia. Neuroscience Bulletin, 2015, 31, 207-219.	1.5	143
1530	Information Decomposition in Bivariate Systems: Theory and Application to Cardiorespiratory Dynamics. Entropy, 2015, 17, 277-303.	1.1	105

#	Article	IF	CITATIONS
1531	Effective connectivity during animacy perception – dynamic causal modelling of Human Connectome Project data. Scientific Reports, 2014, 4, 6240.	1.6	50
1532	Multimodal effective connectivity analysis reveals seizure focus and propagation in musicogenic epilepsy. NeuroImage, 2015, 113, 70-77.	2.1	41
1533	Spatiotemporal neural network dynamics for the processing of dynamic facial expressions. Scientific Reports, 2015, 5, 12432.	1.6	29
1534	Sharpened cortical tuning and enhanced cortico-cortical communication contribute to the long-term neural mechanisms of visual motion perceptual learning. NeuroImage, 2015, 115, 17-29.	2.1	56
1535	The neural underpinnings of performance-based incentives. Journal of Economic Psychology, 2015, 50, 1-12.	1.1	8
1536	Functional Magnetic Resonance Imagery, Analysis of. , 2015, , 525-531.		0
1537	Causal interpretation rules for encoding and decoding models in neuroimaging. Neurolmage, 2015, 110, 48-59.	2.1	84
1538	Model-based estimation of intra-cortical connectivity using electrophysiological data. NeuroImage, 2015, 118, 563-575.	2.1	10
1539	Motor network disruption in essential tremor: a functional and effective connectivity study. Brain, 2015, 138, 2934-2947.	3.7	122
1540	Understanding the biophysical effects of transcranial magnetic stimulation on brain tissue. Progress in Brain Research, 2015, 222, 229-259.	0.9	27
1541	Significant feed-forward connectivity revealed by high frequency components of BOLD fMRI signals. NeuroImage, 2015, 121, 69-77.	2.1	31
1542	Abnormal cortico-limbic connectivity during emotional processing correlates with symptom severity in schizophrenia. European Psychiatry, 2015, 30, 590-597.	0.1	40
1543	Modeling the effects of noninvasive transcranial brain stimulation at the biophysical, network, and cognitive Level. Progress in Brain Research, 2015, 222, 261-287.	0.9	49
1544	A deconvolution-based approach to identifying large-scale effective connectivity. Magnetic Resonance Imaging, 2015, 33, 1290-1298.	1.0	1
1545	Striatal–cerebellar networks mediate consolidation in a motor sequence learning task: An fMRI study using dynamic causal modelling. NeuroImage, 2015, 122, 52-64.	2.1	42
1546	Triangulation of the neurocomputational architecture underpinning reading aloud. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3719-28.	3.3	67
1547	Dynamic Network Mechanisms of Relational Integration. Journal of Neuroscience, 2015, 35, 7660-7673.	1.7	38
1548	Neural changes underlying successful second language word learning: An fMRI study. Journal of Neurolinguistics, 2015, 33, 29-49.	0.5	118

#	Article	IF	Citations
" 1549	On self-feedback connectivity in neural mass models applied to event-related potentials. NeuroImage, 2015, 108, 364-376.	2.1	11
1550	Impaired Bottom-Up Effective Connectivity Between Amygdala and Subgenual Anterior Cingulate Cortex in Unmedicated Adolescents with Major Depression: Results from a Dynamic Causal Modeling Analysis. Brain Connectivity, 2015, 5, 608-619.	0.8	36
1551	Dynamic Causal Models for fMRI. , 2015, , 617-624.		0
1552	Differential modulation of motor network connectivity during movements of the upper and lower limbs. NeuroImage, 2015, 119, 44-53.	2.1	49
1553	Circuit to Construct Mapping: A Mathematical Tool for Assisting the Diagnosis and Treatment in Major Depressive Disorder. Frontiers in Psychiatry, 2015, 6, 29.	1.3	12
1554	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. NeuroImage, 2015, 120, 362-370.	2.1	59
1555	A symmetric multivariate leakage correction for MEG connectomes. NeuroImage, 2015, 117, 439-448.	2.1	383
1556	Data-driven combined state and parameter reduction for inverse problems. Advances in Computational Mathematics, 2015, 41, 1343-1364.	0.8	10
1557	Successful antidepressant chronotherapeutics enhance fronto-limbic neural responses and connectivity in bipolar depression. Psychiatry Research - Neuroimaging, 2015, 233, 243-253.	0.9	40
1558	Morris–Lecar Model. , 2015, , 1758-1764.		1
1559	Directed Spectral Methods. , 2015, , 1030-1033.		0
1560	Placebo Analgesia Enhances Descending Pain-Related Effective Connectivity: A Dynamic Causal Modeling Study of Endogenous Pain Modulation. Journal of Pain, 2015, 16, 760-768.	0.7	29
1561	Parallel processing of somatosensory information: Evidence from dynamic causal modeling of MEG data. Neurolmage, 2015, 118, 193-198.	2.1	18
1562	Huntington's Disease for Brain Mapping: An Encyclopedic Reference. , 2015, , 673-682.		Ο
1563	Brain effective connectivity during motor-imagery and execution following stroke and rehabilitation. NeuroImage: Clinical, 2015, 8, 572-582.	1.4	98
1564	Adolescent impatience decreases with increased frontostriatal connectivity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3765-74.	3.3	203
1565	Functional MRI Dynamics. , 2015, , 81-87.		0
1566	Convolution Models for FMRI. , 2015, , 483-488.		3

#	Article	IF	CITATIONS
1567	Variational Bayes. , 2015, , 523-533.		1
1568	The Emergence of Spontaneous and Evoked Functional Connectivity in a Large-Scale Model of the Brain. , 2015, , 571-579.		1
1569	Effective Connectivity. , 2015, , 587-592.		0
1570	Granger Causality. , 2015, , 593-597.		2
1571	Dynamic Causal Models for Human Electrophysiology: EEG, MEG, and LFPs. , 2015, , 625-628.		1
1572	Granger causality for state-space models. Physical Review E, 2015, 91, 040101.	0.8	133
1573	Neural correlates of local contextual processing across stimulus modalities and patient populations. Neuroscience and Biobehavioral Reviews, 2015, 52, 207-220.	2.9	12
1574	Comparison of functional thalamic segmentation from seed-based analysis and ICA. NeuroImage, 2015, 114, 448-465.	2.1	37
1575	Object visibility alters the relative contribution of ventral visual stream and mirror neuron system to goal anticipation during action observation. NeuroImage, 2015, 105, 380-394.	2.1	20
1576	Dissociable Cortical Pathways for Qualitative and Quantitative Mechanisms in the Face Inversion Effect. Journal of Neuroscience, 2015, 35, 4268-4279.	1.7	27
1577	Second language lexical development and cognitive control: A longitudinal fMRI study. Brain and Language, 2015, 144, 35-47.	0.8	80
1578	Hippocampal–Cerebellar Interaction During Spatio-Temporal Prediction. Cerebral Cortex, 2015, 25, 313-321.	1.6	73
1579	State and parameter estimation of a neural mass model from electrophysiological signals during the status epilepticus. NeuroImage, 2015, 113, 374-386.	2.1	33
1580	Connectomics and new approaches for analyzing human brain functional connectivity. GigaScience, 2015, 4, 13.	3.3	55
1581	Selective Attentional Enhancement and Inhibition of Fronto-Posterior Connectivity by the Basal Ganglia During Attention Switching. Cerebral Cortex, 2015, 25, 1527-1534.	1.6	47
1582	Gradient-free MCMC methods for dynamic causal modelling. NeuroImage, 2015, 112, 375-381.	2.1	38
1583	Directionality of large-scale resting-state brain networks during eyes open and eyes closed conditions. Frontiers in Human Neuroscience, 2015, 9, 81.	1.0	25
1584	Neural Substrates of Intention–Consequence Integration and Its Impact on Reactive Punishment in Interpersonal Transgression. Journal of Neuroscience, 2015, 35, 4917-4925.	1.7	27

#	Article	IF	CITATIONS
1585	Modeling fMRI signals can provide insights into neural processing in the cerebral cortex. Journal of Neurophysiology, 2015, 114, 768-780.	0.9	8
1586	Abnormal dopaminergic modulation of striato-cortical networks underlies levodopa-induced dyskinesias in humans. Brain, 2015, 138, 1658-1666.	3.7	65
1587	Simultaneous EEG-fMRI in Epilepsy. Medical Radiology, 2015, , 159-177.	0.0	1
1588	Polygenic risk scores in imaging genetics: Usefulness and applications. Journal of Psychopharmacology, 2015, 29, 867-871.	2.0	79
1589	Knowing one's place: a free-energy approach to pattern regulation. Journal of the Royal Society Interface, 2015, 12, 20141383.	1.5	153
1590	Stimulus-induced reversal of information flow through a cortical network for animacy perception. Social Cognitive and Affective Neuroscience, 2015, 10, 129-135.	1.5	12
1591	Nonparametric Hemodynamic Deconvolution of fMRI Using Homomorphic Filtering. IEEE Transactions on Medical Imaging, 2015, 34, 1155-1163.	5.4	57
1592	A probabilistic method for determining cortical dynamics during seizures. Journal of Computational Neuroscience, 2015, 38, 559-575.	0.6	6
1593	An automated pipeline for constructing personalized virtual brains from multimodal neuroimaging data. NeuroImage, 2015, 117, 343-357.	2.1	132
1594	Altered effective connectivity model in the default mode network between bipolar and unipolar depression based on resting-state fMRI. Journal of Affective Disorders, 2015, 182, 8-17.	2.0	70
1595	Neural Trade-Offs between Recognizing and Categorizing Own- and Other-Race Faces. Cerebral Cortex, 2015, 25, 2191-2203.	1.6	22
1596	Hyper-influence of the orbitofrontal cortex over the ventral striatum in obsessive-compulsive disorder. European Neuropsychopharmacology, 2015, 25, 1898-1905.	0.3	48
1597	Network Interactions Explain Sensitivity to Dynamic Faces in the Superior Temporal Sulcus. Cerebral Cortex, 2015, 25, 2876-2882.	1.6	46
1598	Effect of cocaine dependence on brain connections: clinical implications. Expert Review of Neurotherapeutics, 2015, 15, 1307-1319.	1.4	26
1599	Autonomic and brain responses associated with empathy deficits in autism spectrum disorder. Human Brain Mapping, 2015, 36, 3323-3338.	1.9	84
1600	Automated adaptive inference of phenomenological dynamical models. Nature Communications, 2015, 6, 8133.	5.8	138
1601	Spinal Cord–Midbrain Functional Connectivity Is Related to Perceived Pain Intensity: A Combined Spino-Cortical fMRI Study. Journal of Neuroscience, 2015, 35, 4248-4257.	1.7	74
1602	Neurodegenerative Disorders as Systemic Diseases. , 2015, , .		2

#	Article	IF	CITATIONS
1603	A Thalamocortical Mechanism for the Absence of Overt Motor Behavior in Covertly Aware Patients. JAMA Neurology, 2015, 72, 1442.	4.5	90
1604	Validating Neuro-Computational Models of Neurological and Psychiatric Disorders. Springer Series in Computational Neuroscience, 2015, , .	0.3	7
1605	Functional Magnetic Resonance Imaging Methods. Neuropsychology Review, 2015, 25, 289-313.	2.5	118
1606	Deep brain stimulation for neurodegenerative disease. Progress in Brain Research, 2015, 222, 125-146.	0.9	8
1607	Basolateral Amygdala Response to Food Cues in the Absence of Hunger Is Associated with Weight Gain Susceptibility. Journal of Neuroscience, 2015, 35, 7964-7976.	1.7	124
1608	Selective processing of buildings and faces during working memory: the role of the ventral striatum. European Journal of Neuroscience, 2015, 41, 505-513.	1.2	11
1609	Signal Propagation in the Human Visual Pathways: An Effective Connectivity Analysis. Journal of Neuroscience, 2015, 35, 13501-13510.	1.7	13
1610	Inferring Effective Connectivity from fMRI Data. Biological Magnetic Resonance, 2015, , 365-386.	0.4	0
1611	The Future of Functional MRI. Biological Magnetic Resonance, 2015, , 895-929.	0.4	0
1612	Anatomical Basis for Functional Specialization. Biological Magnetic Resonance, 2015, , 27-66.	0.4	15
1613	Computational neurostimulation for Parkinson's disease. Progress in Brain Research, 2015, 222, 163-190.	0.9	11
1614	A Dynamic Directional Model for Effective Brain Connectivity Using Electrocorticographic (ECoG) Time Series. Journal of the American Statistical Association, 2015, 110, 93-106.	1.8	30
1615	Inferring effective connectivity in epilepsy using dynamic causal modeling. Irbm, 2015, 36, 335-344.	3.7	3
1616	Directed generalized measure of association: A data driven approach towards causal inference. , 2015, ,		1
1617	Resting-State Networks. Biological Magnetic Resonance, 2015, , 387-425.	0.4	2
1618	Information Flow Between Resting-State Networks. Brain Connectivity, 2015, 5, 554-564.	0.8	19
1619	Effective connectivity in the neural network underlying coarse-to-fine categorization of visual scenes. A dynamic causal modeling study. Brain and Cognition, 2015, 99, 46-56.	0.8	28
1620	Translational Perspectives for Computational Neuroimaging. Neuron, 2015, 87, 716-732.	3.8	154

#	Article	IF	CITATIONS
1621	Psychotic Experiences, Working Memory, and the Developing Brain: A Multimodal Neuroimaging Study. Cerebral Cortex, 2015, 25, 4828-4838.	1.6	23
1622	How the cortico-thalamic feedback affects the EEG power spectrum over frontal and occipital regions during propofol-induced sedation. Journal of Computational Neuroscience, 2015, 39, 155-179.	0.6	27
1623	An Obesity-Predisposing Variant of the FTO Gene Regulates D2R-Dependent Reward Learning. Journal of Neuroscience, 2015, 35, 12584-12592.	1.7	75
1624	Olfactory-visual integration facilitates perception of subthreshold negative emotion. Neuropsychologia, 2015, 77, 288-297.	0.7	29
1625	Model-Based Cognitive Neuroscience Approaches to Computational Psychiatry. Clinical Psychological Science, 2015, 3, 378-399.	2.4	127
1626	Foundational perspectives on causality in large-scale brain networks. Physics of Life Reviews, 2015, 15, 107-123.	1.5	42
1627	Decoding Semantics Categorization during Natural Viewing of Video Streams. IEEE Transactions on Autonomous Mental Development, 2015, 7, 201-210.	2.3	6
1628	Two spatiotemporally distinct value systems shape reward-based learning in the human brain. Nature Communications, 2015, 6, 8107.	5.8	55
1629	Tracking changes in functional connectivity of brain networks from resting-state fMRI using particle filters. , 2015, , .		3
1630	Network dysfunction of emotional and cognitive processes in those at genetic risk of bipolar disorder. Brain, 2015, 138, 3427-3439.	3.7	40
1631	Physiologically informed dynamic causal modeling of fMRI data. NeuroImage, 2015, 122, 355-372.	2.1	109
1632	Inhibitory behavioral control: A stochastic dynamic causal modeling study comparing cocaine dependent subjects and controls. NeuroImage: Clinical, 2015, 7, 837-847.	1.4	37
1633	Wiener–Granger causality for effective connectivity in the hidden states: Indication from probabilistic causality. Physics of Life Reviews, 2015, 15, 128-129.	1.5	1
1634	What is the nature of causality in the brain? – Inherently probabilistic. Physics of Life Reviews, 2015, 15, 139-140.	1.5	4
1635	Optimising a model-based approach to inferring fear learning from skin conductance responses. Journal of Neuroscience Methods, 2015, 255, 131-138.	1.3	62
1636	The Temporal Pole Top-Down Modulates the Ventral Visual Stream During Social Cognition. Cerebral Cortex, 2017, 27, bhv226.	1.6	55
1637	Inhibitory Behavioral Control: A Stochastic Dynamic Causal Modeling Study Using Network Discovery Analysis. Brain Connectivity, 2015, 5, 177-186.	0.8	15
1638	Modern Electroencephalographic Assessment Techniques. Neuromethods, 2015, , .	0.2	7

#	Article	IF	CITATIONS
1639	Finding imaging patterns of structural covariance via Non-Negative Matrix Factorization. Neurolmage, 2015, 108, 1-16.	2.1	127
1640	fMRI assessment of neuroplasticity in youths with neurodevelopmental-associated motor disorders after piano training. European Journal of Paediatric Neurology, 2015, 19, 15-28.	0.7	25
1641	Effective connectivity within the frontoparietal control network differentiates cognitive control and working memory. Neurolmage, 2015, 106, 144-153.	2.1	122
1642	Disrupted Effective Connectivity Between the Amygdala and Orbitofrontal Cortex in Social Anxiety Disorder During Emotion Discrimination Revealed by Dynamic Causal Modeling for fMRI. Cerebral Cortex, 2015, 25, 895-903.	1.6	139
1643	Motor cortex excitability and connectivity in chronic stroke: a multimodal model of functional reorganization. Brain Structure and Function, 2015, 220, 1093-1107.	1.2	92
1644	Dynamic brain functional connectivity modulated by resting-state networks. Brain Structure and Function, 2015, 220, 37-46.	1.2	124
1645	Connectomics: A new paradigm for understanding brain disease. European Neuropsychopharmacology, 2015, 25, 733-748.	0.3	187
1646	Fronto-limbic disconnection in bipolar disorder. European Psychiatry, 2015, 30, 82-88.	0.1	82
1647	MEG source reconstruction based on identification of directed source interactions on whole-brain anatomical networks. NeuroImage, 2015, 105, 408-427.	2.1	52
1648	Dysconnectivity Within the Default Mode in First-Episode Schizophrenia: A Stochastic Dynamic Causal Modeling Study With Functional Magnetic Resonance Imaging. Schizophrenia Bulletin, 2015, 41, 144-153.	2.3	84
1649	Relating Structural and Functional Connectivity in MRI: A Simple Model for a Complex Brain. IEEE Transactions on Medical Imaging, 2015, 34, 27-37.	5.4	26
1650	When Action Observation Facilitates Visual Perception: Activation in Visuo-Motor Areas Contributes to Object Recognition. Cerebral Cortex, 2015, 25, 2907-2918.	1.6	49
1651	Imaging Brain Networks for Language. , 2016, , 805-814.		7
1652	Identifying Large-Scale Neural Networks Using fMRI. , 2016, , 209-237.		3
1653	Adaptive Plasticity in the Healthy Language Network: Implications for Language Recovery after Stroke. Neural Plasticity, 2016, 2016, 1-18.	1.0	29
1654	Networks extending across dorsal and ventral visual pathways correlate with trajectory perception. Journal of Vision, 2016, 16, 21.	0.1	4
1655	Eyes Open on Sleep and Wake: In Vivo to In Silico Neural Networks. Neural Plasticity, 2016, 2016, 1-13.	1.0	2
1656	A hierarchy of timescales explains distinct effects of local inhibition of primary visual cortex and frontal eye fields. ELife, 2016, 5, .	2.8	93

#	Article	IF	CITATIONS
1657	Mathematical analysis of neuronal firing in visual cortex. JSIAM Letters, 2016, 8, 73-76.	0.3	0
1658	Fundamentals of Functional Neuroimaging. , 0, , 41-73.		3
1659	Progressive Bidirectional Age-Related Changes in Default Mode Network Effective Connectivity across Six Decades. Frontiers in Aging Neuroscience, 2016, 8, 137.	1.7	6
1660	Real-Time fMRI in Neuroscience Research and Its Use in Studying the Aging Brain. Frontiers in Aging Neuroscience, 2016, 8, 239.	1.7	18
1661	The Neural Mechanisms of Social Learning from Fleeting Experience with Pain. Frontiers in Behavioral Neuroscience, 2016, 10, 11.	1.0	5
1662	Resting-State Coupling between Core Regions within the Central-Executive and Salience Networks Contributes to Working Memory Performance. Frontiers in Behavioral Neuroscience, 2016, 10, 27.	1.0	19
1663	What Impact does An Angry Context have Upon Us? The Effect of Anger on Functional Connectivity of the Right Insula and Superior Temporal Gyri. Frontiers in Behavioral Neuroscience, 2016, 10, 109.	1.0	16
1664	Dorsal Raphe Nucleus Down-Regulates Medial Prefrontal Cortex during Experience of Flow. Frontiers in Behavioral Neuroscience, 2016, 10, 169.	1.0	23
1665	Sevoflurane Alters Spatiotemporal Functional Connectivity Motifs That Link Resting-State Networks during Wakefulness. Frontiers in Neural Circuits, 2016, 10, 107.	1.4	21
1666	Brain Network Activation Analysis Utilizing Spatiotemporal Features for Event Related Potentials Classification. Frontiers in Computational Neuroscience, 2016, 10, 137.	1.2	10
1667	Immediate and Longitudinal Alterations of Functional Networks after Thalamotomy in Essential Tremor. Frontiers in Neurology, 2016, 7, 184.	1.1	34
1668	Lateral and Medial Ventral Occipitotemporal Regions Interact During the Recognition of Images Revealed from Noise. Frontiers in Human Neuroscience, 2015, 9, 678.	1.0	5
1669	Multi-Dimensional Dynamics of Human Electromagnetic Brain Activity. Frontiers in Human Neuroscience, 2015, 9, 713.	1.0	43
1670	Effective Connectivity within the Default Mode Network: Dynamic Causal Modeling of Resting-State fMRI Data. Frontiers in Human Neuroscience, 2016, 10, 14.	1.0	69
1671	The Relationship between Frontotemporal Effective Connectivity during Picture Naming, Behavior, and Preserved Cortical Tissue in Chronic Aphasia. Frontiers in Human Neuroscience, 2016, 10, 109.	1.0	32
1672	Aging into Perceptual Control: A Dynamic Causal Modeling for fMRI Study of Bistable Perception. Frontiers in Human Neuroscience, 2016, 10, 141.	1.0	8
1673	Using Computational Neuroscience to Define Common Input to Spinal Motor Neurons. Frontiers in Human Neuroscience, 2016, 10, 313.	1.0	17
1674	Active SAmpling Protocol (ASAP) to Optimize Individual Neurocognitive Hypothesis Testing: A BCI-Inspired Dynamic Experimental Design. Frontiers in Human Neuroscience, 2016, 10, 347.	1.0	10

#	Article	IF	CITATIONS
1675	Anterior Cingulate Cortico-Hippocampal Dysconnectivity in Unaffected Relatives of Schizophrenia Patients: A Stochastic Dynamic Causal Modeling Study. Frontiers in Human Neuroscience, 2016, 10, 383.	1.0	11
1676	Altered Effective Connectivity among Core Neurocognitive Networks in Idiopathic Generalized Epilepsy: An fMRI Evidence. Frontiers in Human Neuroscience, 2016, 10, 447.	1.0	17
1677	Causal Interactions between FrontalÎ, – Parieto-Occipitalα2 Predict Performance on a Mental Arithmetic Task. Frontiers in Human Neuroscience, 2016, 10, 454.	1.0	38
1678	Dynamic Causal Modeling of Hippocampal Links within the Human Default Mode Network: Lateralization and Computational Stability of Effective Connections. Frontiers in Human Neuroscience, 2016, 10, 528.	1.0	27
1679	Advice Taking from Humans and Machines: An fMRI and Effective Connectivity Study. Frontiers in Human Neuroscience, 2016, 10, 542.	1.0	31
1680	Allostatic Self-efficacy: A Metacognitive Theory of Dyshomeostasis-Induced Fatigue and Depression. Frontiers in Human Neuroscience, 2016, 10, 550.	1.0	256
1681	Effective Connectivity within the Mesocorticolimbic System during Resting-State in Cocaine Users. Frontiers in Human Neuroscience, 2016, 10, 563.	1.0	13
1682	Dominance of the Unaffected Hemisphere Motor Network and Its Role in the Behavior of Chronic Stroke Survivors. Frontiers in Human Neuroscience, 2016, 10, 650.	1.0	25
1683	Embedding Task-Based Neural Models into a Connectome-Based Model of the Cerebral Cortex. Frontiers in Neuroinformatics, 2016, 10, 32.	1.3	10
1684	Functional Imaging of Autonomic Regulation: Methods and Key Findings. Frontiers in Neuroscience, 2015, 9, 513.	1.4	65
1685	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. Frontiers in Neuroscience, 2016, 10, 515.	1.4	159
1686	Spontaneous Neural Dynamics and Multi-scale Network Organization. Frontiers in Systems Neuroscience, 2016, 10, 7.	1.2	60
1687	The Processing of Somatosensory Information Shifts from an Early Parallel into a Serial Processing Mode: A Combined fMRI/MEG Study. Frontiers in Systems Neuroscience, 2016, 10, 103.	1.2	14
1688	A brain-region-based meta-analysis method utilizing the Apriori algorithm. BMC Neuroscience, 2016, 17, 23.	0.8	4
1689	The Brain Effective Connectivity of Chinese during Rhyming Task. PLoS ONE, 2016, 11, e0162158.	1.1	3
1690	Annealed Importance Sampling for Neural Mass Models. PLoS Computational Biology, 2016, 12, e1004797.	1.5	13
1691	Learning Effective Connectivity Network Structure from fMRI Data Based on Artificial Immune Algorithm. PLoS ONE, 2016, 11, e0152600.	1.1	13
1692	Investigating Cooperative Behavior in Ecological Settings: An EEG Hyperscanning Study. PLoS ONE, 2016, 11, e0154236.	1.1	140

#	Article	IF	CITATIONS
1693	Top-Down Network Effective Connectivity in Abstinent Substance Dependent Individuals. PLoS ONE, 2016, 11, e0164818.	1.1	14
1694	Can Bayesian Theories of Autism Spectrum Disorder Help Improve Clinical Practice?. Frontiers in Psychiatry, 2016, 7, 107.	1.3	101
1695	Inferring the Dysconnection Syndrome in Schizophrenia: Interpretational Considerations on Methods for the Network Analyses of fMRI Data. Frontiers in Psychiatry, 2016, 7, 132.	1.3	31
1696	Inhibition of Information Flow to the Default Mode Network During Self-Reference Versus Reference to Others. Cerebral Cortex, 2017, 27, 3930-3942.	1.6	19
1697	Toward a cumulative science of functional integration: A metaâ€analysis of psychophysiological interactions. Human Brain Mapping, 2016, 37, 2904-2917.	1.9	60
1698	Multiscale modeling of brain dynamics: from single neurons and networks to mathematical tools. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2016, 8, 438-458.	6.6	32
1699	Effective connectivity of ascending and descending frontalthalamic pathways during sustained attention: Complex brain network interactions in adolescence. Human Brain Mapping, 2016, 37, 2557-2570.	1.9	25
1700	Testâ€retest reliability of effective connectivity in the face perception network. Human Brain Mapping, 2016, 37, 730-744.	1.9	36
1701	Quantifying connectivity in a physiology based model using adaptive dynamic causal modelling. , 2016, 2016, 2818-2821.		1
1702	Information flow and causality as rigorous notions <i>ab initio</i> . Physical Review E, 2016, 94, 052201.	0.8	110
1703	Introduction to Research in Magnetic Resonance Imaging. , 2016, , .		6
1704	Serotonergic modulation of â€~waiting impulsivity' is mediated by the impulsivity phenotype in humans. Translational Psychiatry, 2016, 6, e940-e940.	2.4	22
1705	Dependency Network Analysis (DEPNA) Reveals Context Related Influence of Brain Network Nodes. Scientific Reports, 2016, 6, 27444.	1.6	17
1706	Gaining knowledge mediates changes in perception (without differences in attention): A case for perceptual learning. Behavioral and Brain Sciences, 2016, 39, e240.	0.4	2
1707	How cognition affects perception: Brain activity modelling to unravel top-down dynamics. Behavioral and Brain Sciences, 2016, 39, e238.	0.4	1
1708	From Mild Cognitive Impairment to Alzheimer's Disease: A New Perspective in the "Land―of Human Brain Reactivity and Connectivity. Journal of Alzheimer's Disease, 2016, 53, 1389-1393.	1.2	17
1709	Reducing future fears by suppressing the brain mechanisms underlying episodic simulation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8492-E8501.	3.3	60
1710	Shock-like haemodynamic responses induced in the primary visual cortex by moving visual stimuli. Journal of the Royal Society Interface, 2016, 13, 20160576.	1.5	9

#	Article	IF	CITATIONS
1711	Influence of Resting Venous Blood Volume Fraction on Dynamic Causal Modeling and System Identifiability. Scientific Reports, 2016, 6, 29426.	1.6	0
1712	Algorithmic modelling of structural connectivity for process plants. , 2016, , .		0
1713	Distinct Reward Properties are Encoded via Corticostriatal Interactions. Scientific Reports, 2016, 6, 20093.	1.6	28
1714	On brain modeling in resting-state as a network of coupled oscillators. , 2016, , .		0
1715	Improved optimization algorithm for human brain structural connectivity with functional connectivity using dynamic mean-field model. , 2016, , .		0
1716	Tracing the Flow of Perceptual Features in an Algorithmic Brain Network. Scientific Reports, 2016, 5, 17681.	1.6	47
1717	Development of a computer-aided system for an effective brain connectivity network. , 2016, , .		0
1718	An ant colony optimization algorithm for learning brain effective connectivity network from fMRI data. , 2016, , .		1
1719	Effective Connectivity from Early Visual Cortex to Posterior Occipitotemporal Face Areas Supports Face Selectivity and Predicts Developmental Prosopagnosia. Journal of Neuroscience, 2016, 36, 3821-3828.	1.7	58
1720	Computational models of eye movements and their application to schizophrenia. Current Opinion in Behavioral Sciences, 2016, 11, 21-29.	2.0	21
1721	Estimating changing contexts in schizophrenia. Brain, 2016, 139, 2082-2095.	3.7	38
1722	Measuring Cortical Connectivity in Alzheimer's Disease as a Brain Neural Network Pathology: Toward Clinical Applications. Journal of the International Neuropsychological Society, 2016, 22, 138-163.	1.2	92
1723	Using fMRI to study reward processing in humans: past, present, and future. Journal of Neurophysiology, 2016, 115, 1664-1678.	0.9	84
1724	Linking person perception and person knowledge in the human brain. Social Cognitive and Affective Neuroscience, 2016, 11, 641-651.	1.5	25
1725	Directed Transfer Function: Unified Asymptotic Theory and Some of Its Implications. IEEE Transactions on Biomedical Engineering, 2016, 63, 2450-2460.	2.5	18
1726	LSD modulates music-induced imagery via changes in parahippocampal connectivity. European Neuropsychopharmacology, 2016, 26, 1099-1109.	0.3	95
1727	Network mechanisms of intentional learning. NeuroImage, 2016, 127, 123-134.	2.1	39
1728	An improvement on local FDR analysis applied to functional MRI data. Journal of Neuroscience Methods, 2016, 267, 115-125.	1.3	6

#	Article	IF	CITATIONS
1729	A hierarchical model for integrating unsupervised generative embedding and empirical Bayes. Journal of Neuroscience Methods, 2016, 269, 6-20.	1.3	23
1730	Inferring time-varying brain connectivity graph based on a new method for link estimation. Network: Computation in Neural Systems, 2016, 27, 1-28.	2.2	0
1731	Eigenmodes of brain activity: Neural field theory predictions and comparison with experiment. NeuroImage, 2016, 142, 79-98.	2.1	101
1732	Taste intensity modulates effective connectivity from the insular cortex to the thalamus in humans. NeuroImage, 2016, 135, 214-222.	2.1	36
1733	Electroencephalographic Motor Imagery Brain Connectivity Analysis for BCI: A Review. Neural Computation, 2016, 28, 999-1041.	1.3	165
1734	Beyond Lumping and Splitting: A Review of Computational Approaches for Stratifying Psychiatric Disorders. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 433-447.	1.1	148
1735	Computational neurorehabilitation: modeling plasticity and learning to predict recovery. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 42.	2.4	125
1736	Large-scale Granger causality analysis on resting-state functional MRI. Proceedings of SPIE, 2016, 9788,	0.8	3
1737	Clinically Anxious Individuals Show Disrupted Feedback between Inferior Frontal Gyrus and Prefrontal-Limbic Control Circuit. Journal of Neuroscience, 2016, 36, 4708-4718.	1.7	31
1738	Are strong empathizers better mentalizers? Evidence for independence and interaction between the routes of social cognition. Social Cognitive and Affective Neuroscience, 2016, 11, 1383-1392.	1.5	139
1739	Response-mode decomposition of spatio-temporal haemodynamics. Journal of the Royal Society Interface, 2016, 13, 20160253.	1.5	10
1740	Does the regulation of local excitation–inhibition balance aid in recovery of functional connectivity? A computational account. NeuroImage, 2016, 136, 57-67.	2.1	32
1741	The Cerebral Network of Parkinson's Tremor: An Effective Connectivity fMRI Study. Journal of Neuroscience, 2016, 36, 5362-5372.	1.7	104
1742	Ageing changes effective connectivity of motor networks during bimanual finger coordination. NeuroImage, 2016, 143, 325-342.	2.1	40
1743	â€~What' Is Happening in the Dorsal Visual Pathway. Trends in Cognitive Sciences, 2016, 20, 773-784.	4.0	213
1745	Intersubject variability and induced gamma in the visual cortex: DCM with empirical <scp>B</scp> ayes and neural fields. Human Brain Mapping, 2016, 37, 4597-4614.	1.9	22
1746	Cortical Dynamic Causality Network for Auditory-Motor Tasks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 25, 1-1.	2.7	11
1747	A Metropolis-within-Gibbs sampler to infer task-based functional brain connectivity. , 2016, , .		1

#	Article	IF	Citations
1748	Graph Theoretic Analysis of Human Brain Networks. Neuromethods, 2016, , 283-314.	0.2	14
1749	Neuroimaging Approaches to the Study of Visual Attention. Neuromethods, 2016, , 387-417.	0.2	0
1750	fMRI of Emotion. Neuromethods, 2016, , 451-494.	0.2	1
1751	Dynamic Causal Modeling of Brain Responses. Neuromethods, 2016, , 241-264.	0.2	1
1752	Understanding the role of speech production in reading: Evidence for a print-to-speech neural network using graphical analysis Neuropsychology, 2016, 30, 385-397.	1.0	16
1753	Activity flow over resting-state networks shapes cognitive task activations. Nature Neuroscience, 2016, 19, 1718-1726.	7.1	403
1754	How to avoid mismodelling in GLM-based fMRI data analysis: cross-validated Bayesian model selection. NeuroImage, 2016, 141, 469-489.	2.1	38
1755	Natural variation in sensoryâ€motor white matter organization influences manifestations of Huntington's disease. Human Brain Mapping, 2016, 37, 4615-4628.	1.9	18
1756	How do parcellation size and short-range connectivity affect dynamics in large-scale brain network models?. NeuroImage, 2016, 142, 135-149.	2.1	103
1757	Estimating functional brain networks by incorporating a modularity prior. NeuroImage, 2016, 141, 399-407.	2.1	111
1758	Dissociable Fronto-Operculum-Insula Control Signals for Anticipation and Detection of Inhibitory Sensory Cue. Cerebral Cortex, 2017, 27, 4073-4082.	1.6	24
1759	Nodes and Edges. , 2016, , 37-88.		0
1760	The contributions of resting state and task-based functional connectivity studies to our understanding of adolescent brain network maturation. Neuroscience and Biobehavioral Reviews, 2016, 70, 13-32.	2.9	98
1761	Bridging the Gap: Dynamic Causal Modeling and Granger Causality Analysis of Resting State Functional Magnetic Resonance Imaging. Brain Connectivity, 2016, 6, 652-661.	0.8	39
1762	Statistical inference of dynamic restingâ€state functional connectivity using hierarchical observation modeling. Human Brain Mapping, 2016, 37, 4566-4580.	1.9	1
1763	Depression following traumatic brain injury: A functional connectivity perspective. Brain Injury, 2016, 30, 1319-1328.	0.6	27
1764	Modulation of prefrontal ingulate connectivity in affective processing of children with experiences of ostracism. Child and Adolescent Mental Health, 2016, 21, 37-43.	1.8	1
1765	Impaired prefrontal synaptic gain in people with psychosis and their relatives during the mismatch negativity. Human Brain Mapping, 2016, 37, 351-365.	1.9	64

#	Article	IF	CITATIONS
1766	Impairment of a parietoâ€premotor network specialized for handwriting in writer's cramp. Human Brain Mapping, 2016, 37, 4363-4375.	1.9	44
1767	Basal ganglia impairments in autism spectrum disorder are related to abnormal signal gating to prefrontal cortex. Neuropsychologia, 2016, 91, 268-281.	0.7	38
1768	Bayesian Inference of Task-Based Functional Brain Connectivity Using Markov Chain Monte Carlo Methods. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1150-1159.	7.3	4
1769	A Method for Intertemporal Functional-Domain Connectivity Analysis: Application to Schizophrenia Reveals Distorted Directional Information Flow. IEEE Transactions on Biomedical Engineering, 2016, 63, 2525-2539.	2.5	20
1770	Neural correlates of motor recovery after robot-assisted stroke rehabilitation: a case series study. Neurocase, 2016, 22, 416-425.	0.2	10
1771	On-line optimal design of process noise covariance in nonlinear Kalman Filters: A hemodynamic model application. , 2016, , .		1
1772	A new L1-regularized time-varying autoregressive model for brain connectivity estimation: A study using visual task-related fMRI data. , 2016, , .		0
1773	Multi-kernel based nonlinear models for connectivity identification of brain networks. , 2016, , .		33
1774	Effective Connectivity of Cortical Sensorimotor Networks During Finger Movement Tasks: A Simultaneous fNIRS, fMRI, EEG Study. Brain Topography, 2016, 29, 645-660.	0.8	94
1775	Noninvasive Electromagnetic Source Imaging and Granger Causality Analysis: An Electrophysiological Connectome (eConnectome) Approach. IEEE Transactions on Biomedical Engineering, 2016, 63, 2474-2487.	2.5	43
1776	Brain connectivity and auditory hallucinations: In search of novel noninvasive brain stimulation therapeutic approaches for schizophrenia. Revue Neurologique, 2016, 172, 653-679.	0.6	9
1777	Prefrontal connections express individual differences in intrinsic resistance to trading off honesty values against economic benefits. Scientific Reports, 2016, 6, 33263.	1.6	30
1778	Exploring time- and frequency- dependent functional connectivity and brain networks during deception with single-trial event-related potentials. Scientific Reports, 2016, 6, 37065.	1.6	24
1779	A descriptive model of resting-state networks using Markov chains. , 2016, 2016, 3594-3597.		0
1780	When sentences live up to your expectations. NeuroImage, 2016, 124, 641-653.	2.1	31
1781	Fronto-limbic effective connectivity as possible predictor of antidepressant response to SSRI administration. European Neuropsychopharmacology, 2016, 26, 2000-2010.	0.3	59
1782	Predictive Brain Mechanisms in Sound-to-Meaning Mapping during Speech Processing. Journal of Neuroscience, 2016, 36, 10813-10822.	1.7	17
1783	It's all in the anticipation: How perception of threat is enhanced in anxiety Emotion, 2016, 16, 320-327.	1.5	42

#	Article	IF	CITATIONS
1784	Circadian dynamics in measures of cortical excitation and inhibition balance. Scientific Reports, 2016, 6, 33661.	1.6	58
1785	Testing the Significance of Connectivity Networks: Comparison of Different Assessing Procedures. IEEE Transactions on Biomedical Engineering, 2016, 63, 2461-2473.	2.5	30
1786	EEG–fMRI Bayesian framework for neural activity estimation: a simulation study. Journal of Neural Engineering, 2016, 13, 066017.	1.8	12
1787	Handedness is related to neural mechanisms underlying hemispheric lateralization of face processing. Scientific Reports, 2016, 6, 27153.	1.6	30
1788	Optogenetic Functional MRI. Journal of Visualized Experiments, 2016, , .	0.2	14
1789	Neighborhood-preserving translations on graphs. , 2016, , .		4
1790	Nonlinear estimation of BOLD signals with the aid of cerebral blood volume imaging. BioMedical Engineering OnLine, 2016, 15, 22.	1.3	3
1791	Atomoxetine restores the response inhibition network in Parkinson's disease. Brain, 2016, 139, 2235-2248.	3.7	76
1792	Investigating changes in brain network properties in HIV-associated neurocognitive disease (HAND) using mutual connectivity analysis (MCA). , 2016, 9788, .		6
1793	Mapping the Dynamic Network Interactions Underpinning Cognition: A cTBS-fMRI Study of the Flexible Adaptive Neural System for Semantics. Cerebral Cortex, 2016, 26, 3580-3590.	1.6	90
1794	Adaptive Importance Sampling for Control and Inference. Journal of Statistical Physics, 2016, 162, 1244-1266.	0.5	55
1795	Sensor space group analysis for fNIRS data. Journal of Neuroscience Methods, 2016, 264, 103-112.	1.3	65
1796	Convergent evidence for hierarchical prediction networks from human electrocorticography and magnetoencephalography. Cortex, 2016, 82, 192-205.	1.1	71
1797	Probabilistic delay differential equation modeling of event-related potentials. NeuroImage, 2016, 136, 227-257.	2.1	9
1798	Altered effective connectivity within default mode network in major depression disorder. , 2016, , .		0
1799	Phase-lag synchronization analysis in complex systems with directed inter-relations. European Physical Journal: Special Topics, 2016, 225, 41-49.	1.2	10
1800	Neural pathways in processing of sexual arousal: a dynamic causal modeling study. International Journal of Impotence Research, 2016, 28, 184-188.	1.0	5
1801	Incremental learning of perceptual and conceptual representations and the puzzle of neural repetition suppression. Psychonomic Bulletin and Review, 2016, 23, 1055-1071.	1.4	23

#	Article	IF	CITATIONS
1802	Task-irrelevant fear enhances amygdala-FFG inhibition and decreases subsequent face processing. Social Cognitive and Affective Neuroscience, 2016, 11, 1440-1448.	1.5	5
1803	Diffusion of responsibility attenuates altruistic punishment: A functional magnetic resonance imaging effective connectivity study. Human Brain Mapping, 2016, 37, 663-677.	1.9	59
1804	Functional correlates of the therapeutic and adverse effects evoked by thalamic stimulation for essential tremor. Brain, 2016, 139, 2198-2210.	3.7	38
1805	Changes in Effective Connectivity Between Dorsal and Ventral Prefrontal Regions Moderate Emotion Regulation. Cerebral Cortex, 2016, 26, 1923-1937.	1.6	112
1806	Topologically Reorganized Connectivity Architecture of Default-Mode, Executive-Control, and Salience Networks across Working Memory Task Loads. Cerebral Cortex, 2016, 26, 1501-1511.	1.6	211
1807	The Dual-Loop Model and the Human Mirror Neuron System: an Exploratory Combined fMRI and DTI Study of the Inferior Frontal Gyrus. Cerebral Cortex, 2016, 26, 2215-2224.	1.6	47
1808	The mixed serotonin receptor agonist psilocybin reduces threat-induced modulation of amygdala connectivity. NeuroImage: Clinical, 2016, 11, 53-60.	1.4	75
1809	Disrupted effective connectivity of the sensorimotor network in amyotrophic lateral sclerosis. Journal of Neurology, 2016, 263, 508-516.	1.8	28
1810	Functional connectivity predictors and mechanisms of cognitive behavioural therapies: A systematic review with recommendations. Australian and New Zealand Journal of Psychiatry, 2016, 50, 311-321.	1.3	15
1811	Why more is better: Simultaneous modeling of EEG, fMRI, and behavioral data. NeuroImage, 2016, 128, 96-115.	2.1	81
1812	Facial Expressions Evoke Differential Neural Coupling in Macaques. Cerebral Cortex, 2016, 27, bhv345.	1.6	14
1813	On the origins of the â€`global signal' determined by functional magnetic resonance imaging in the resting state. Journal of Neural Engineering, 2016, 13, 016012.	1.8	5
1814	Therapeutic rTMS in Neurology. , 2016, , .		2
1815	Brain circuitry of compulsivity. European Neuropsychopharmacology, 2016, 26, 810-827.	0.3	264
1816	Mechanisms of hemispheric lateralization: Asymmetric interhemispheric recruitment in the face perception network. NeuroImage, 2016, 124, 977-988.	2.1	70
1817	The Kuramoto model in complex networks. Physics Reports, 2016, 610, 1-98.	10.3	633
1818	Extrinsic and Intrinsic Brain Network Connectivity Maintains Cognition across the Lifespan Despite Accelerated Decay of Regional Brain Activation. Journal of Neuroscience, 2016, 36, 3115-3126.	1.7	185
1819	Direction of information flow in large-scale resting-state networks is frequency-dependent. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3867-3872.	3.3	312

		CITATION REPORT		
#	ARTICLE The brain's functional network architecture reveals human motives. Science, 2016,	351 1074-1078	IF	CITATIONS
1820	The brainaes functional network architecture reveals numan motives. Science, 2016,	, 331, 1074-1078.	6.0	111
1821	Wiring the altruistic brain. Science, 2016, 351, 1028-1029.		6.0	9
1822	Hyper-connectivity of functional networks for brain disease diagnosis. Medical Image A 32, 84-100.	nalysis, 2016,	7.0	113
1823	Multivariate dynamical systems-based estimation of causal brain interactions in fMRI: C validation using benchmark data, neurophysiological models and human connectome p Journal of Neuroscience Methods, 2016, 268, 142-153.		1.3	21
1824	The Impact of Mirth-Inducing Ventral Striatal Deep Brain Stimulation on Functional and Connectivity. Cerebral Cortex, 2017, 27, bhw074.	l Effective	1.6	35
1825	Connectivity-based parcellation of functional SubROIs in putamen using a sparse spati- regression model. Biomedical Signal Processing and Control, 2016, 27, 174-183.	ally regularized	3.5	5
1826	Dynamic GSCANO (Generalized Structured Canonical Correlation Analysis) with applica analysis of effective connectivity in functional neuroimaging data. Computational Stat Analysis, 2016, 101, 93-109.		0.7	3
1827	Graph theory and cognition: A complementary avenue for examining neuropsychologic epilepsy. Epilepsy and Behavior, 2016, 64, 329-335.	al status in	0.9	25
1828	Stress potentiates decision biases: A stress induced deliberation-to-intuition (SIDI) mod Neurobiology of Stress, 2016, 3, 83-95.	del.	1.9	102
1829	Learning Discriminative Bayesian Networks from High-Dimensional Continuous Neuroir IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2269-2283.		9.7	25
1830	A hemodynamic model for layered BOLD signals. NeuroImage, 2016, 125, 556-570.		2.1	128
1831	Modulation of frontal effective connectivity during speech. NeuroImage, 2016, 140, 12	26-133.	2.1	44
1832	Metastability and Coherence: Extending the Communication through Coherence Hypo Whole-Brain Computational Perspective. Trends in Neurosciences, 2016, 39, 125-135.		4.2	187
1833	Understanding the Impact of Stroke on Brain Motor Function: A Hierarchical Bayesian Journal of the American Statistical Association, 2016, 111, 549-563.	Approach.	1.8	20
1834	Individual attentional selection capacities are reflected in interhemispheric connectivity parietal cortex. Neurolmage, 2016, 129, 148-158.	y of the	2.1	25
1835	Direction of Amygdala–Neocortex Interaction During Dynamic Facial Expression Proc Cortex, 2017, 27, bhw036.	cessing. Cerebral	1.6	26
1836	Interhemispheric Dorsolateral Prefrontal Cortex Connectivity is Associated with Individ Differences in Pain Sensitivity in Healthy Controls. Brain Connectivity, 2016, 6, 357-36		0.8	47
1837	Basic Principles of rTMS in Motor Recovery After Stroke. , 2016, , 23-37.			3

#	Article	IF	CITATIONS
1838	Dynamic causal modelling of eye movements during pursuit: Confirming precision-encoding in V1 using MEG. NeuroImage, 2016, 132, 175-189.	2.1	31
1839	Mapping the self in the brain's default mode network. NeuroImage, 2016, 132, 390-397.	2.1	376
1840	Combining optogenetic stimulation and fMRI to validate a multivariate dynamical systems model for estimating causal brain interactions. NeuroImage, 2016, 132, 398-405.	2.1	60
1841	A hierarchical Bayesian framework for force field selection in molecular dynamics simulations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150032.	1.6	32
1842	Elucidating Neural Network Functional Connectivity Abnormalities in Bipolar Disorder: Toward a Harmonized Methodological Approach. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 288-298.	1.1	47
1843	Neural Mass Model-Based Scale-Free EEG Music. Advances in Cognitive Neurodynamics, 2016, , 455-460.	0.1	Ο
1844	A network-level analysis of cognitive flexibility reveals a differential influence of the anterior cingulate cortex in bilinguals versus monolinguals. Neuropsychologia, 2016, 85, 62-73.	0.7	31
1845	Time-Variant Modeling of Brain Processes. Proceedings of the IEEE, 2016, 104, 262-281.	16.4	14
1846	Enhanced Effective Connectivity Between Primary Motor Cortex and Intraparietal Sulcus in Well-Recovered Stroke Patients. Stroke, 2016, 47, 482-489.	1.0	61
1847	Connectomic markers of disease expression, genetic risk and resilience in bipolar disorder. Translational Psychiatry, 2016, 6, e706-e706.	2.4	63
1848	Visualizing functional pathways in the human brain using correlation tensors and magnetic resonance imaging. Magnetic Resonance Imaging, 2016, 34, 8-17.	1.0	82
1849	Gradient-based MCMC samplers for dynamic causal modelling. NeuroImage, 2016, 125, 1107-1118.	2.1	43
1850	Dependence of inter-neuronal effective connectivity on synchrony dynamics in neuronal network motifs. Chaos, Solitons and Fractals, 2016, 82, 48-59.	2.5	5
1851	Functional connectivity change as shared signal dynamics. Journal of Neuroscience Methods, 2016, 259, 22-39.	1.3	58
1852	Time-varying effective connectivity of the cortical neuroelectric activity associated with behavioural microsleeps. NeuroImage, 2016, 124, 421-432.	2.1	30
1853	mpdcm: A toolbox for massively parallel dynamic causal modeling. Journal of Neuroscience Methods, 2016, 257, 7-16.	1.3	35
1854	Functional connectivity measures as schizophrenia intermediate phenotypes: advances, limitations, and future directions. Current Opinion in Neurobiology, 2016, 36, 7-14.	2.0	42
1855	Altered Prefrontal Excitation/Inhibition Balance and Prefrontal Output: Markers of Aging in Human Memory Networks. Cerebral Cortex, 2016, 26, 4315-4326.	1.6	63

#	Article	IF	CITATIONS
" 1856	Identification of causal relations in neuroimaging data with latent confounders: An instrumental variable approach. NeuroImage, 2016, 125, 825-833.	2.1	30
1857	Brain Mapping-Based Model of Δ9-Tetrahydrocannabinol Effects on Connectivity in the Pain Matrix. Neuropsychopharmacology, 2016, 41, 1659-1669.	2.8	29
1858	Causality Analysis of fMRI Data Based on the Directed Information Theory Framework. IEEE Transactions on Biomedical Engineering, 2016, 63, 1002-1015.	2.5	7
1859	fMRI neurofeedback of amygdala response to aversive stimuli enhances prefrontal–limbic brain connectivity. NeuroImage, 2016, 125, 182-188.	2.1	99
1860	Functional Neuroimaging Techniques. , 2016, , 31-47.		1
1861	The integration of the internal and external milieu in the insula during dynamic emotional experiences. Neurolmage, 2016, 124, 455-463.	2.1	67
1862	Dynamic causal modelling of EEG and fMRI to characterize network architectures in a simple motor task. NeuroImage, 2016, 124, 498-508.	2.1	44
1863	Profiling neuronal ion channelopathies with non-invasive brain imaging and dynamic causal models: Case studies of single gene mutations. Neurolmage, 2016, 124, 43-53.	2.1	33
1864	Patterns of effective connectivity during memory encoding and retrieval differ between patients with mild cognitive impairment and healthy older adults. NeuroImage, 2016, 124, 997-1008.	2.1	42
1865	Temporal Information of Directed Causal Connectivity in Multi-Trial ERP Data using Partial Granger Causality. Neuroinformatics, 2016, 14, 99-120.	1.5	16
1866	Consciencia, cognición y redes neuronales: nuevas perspectivas. Revista Española De AnestesiologÃa Y Reanimación, 2016, 63, 459-470.	0.1	7
1867	The genetic absence epilepsy rat from Strasbourg as a model to decipher the neuronal and network mechanisms of generalized idiopathic epilepsies. Journal of Neuroscience Methods, 2016, 260, 159-174.	1.3	100
1868	Functional topography of the thalamocortical system in human. Brain Structure and Function, 2016, 221, 1971-1984.	1.2	99
1869	Causal Interactions Within a Frontal-Cingulate-Parietal Network During Cognitive Control: Convergent Evidence from a Multisite–Multitask Investigation. Cerebral Cortex, 2016, 26, 2140-2153.	1.6	120
1870	Computational neuroimaging strategies for single patient predictions. Neurolmage, 2017, 145, 180-199.	2.1	144
1871	Exploration and Identification of Cortico-Cerebellar-Brainstem Closed Loop During a Motivational-Motor Task: an fMRI Study. Cerebellum, 2017, 16, 326-339.	1.4	15
1872	Task modulated brain connectivity of the amygdala: a meta-analysis of psychophysiological interactions. Brain Structure and Function, 2017, 222, 619-634.	1.2	43
1873	Spontaneous and Therapeutic-Induced Mechanisms of Functional Recovery After Stroke. Translational Stroke Research, 2017, 8, 33-46.	2.3	199

#	Article		CITATIONS
1874	Variability in behavior that cognitive models do not explain can be linked to neuroimaging data. Journal of Mathematical Psychology, 2017, 76, 104-116.	1.0	13
1875	Gramian-Based Reachability Metrics for Bilinear Networks. IEEE Transactions on Control of Network Systems, 2017, 4, 620-631.	2.4	32
1876	Loss of brain graph network efficiency in alcohol dependence. Addiction Biology, 2017, 22, 523-534.	1.4	55
1877	Can Patel's Ï,, accurately estimate directionality of connections in brain networks from fMRI?. Magnetic Resonance in Medicine, 2017, 78, 2003-2010.	1.9	16
1878	Imperfect (de)convolution may introduce spurious psychophysiological interactions and how to avoid it. Human Brain Mapping, 2017, 38, 1723-1740.	1.9	26
1879	An M-estimator for reduced-rank system identification. Pattern Recognition Letters, 2017, 86, 76-81.	2.6	6
1880	Learning effective connectivity from fMRI using autoregressive hidden Markov model with missing data. Journal of Neuroscience Methods, 2017, 278, 87-100.	1.3	15
1881	Dopamine controls Parkinson's tremor by inhibiting the cerebellar thalamus. Brain, 2017, 140, aww331.	3.7	101
1882	From connectome to cognition: The search for mechanism in human functional brain networks. NeuroImage, 2017, 160, 124-139.		102
1883	Person perception involves functional integration between the extrastriate body area and temporal pole. Neuropsychologia, 2017, 96, 52-60.	0.7	14
1884	Brain and cognitive reserve: Translation via network control theory. Neuroscience and Biobehavioral Reviews, 2017, 75, 53-64.	2.9	95
1885	Studying Brain Circuit Function with Dynamic Causal Modeling for Optogenetic fMRI. Neuron, 2017, 93, 522-532.e5.	3.8	55
1886	Olfactory Network Differences in Master Sommeliers: Connectivity Analysis Using Granger Causality and Graph Theoretical Approach. Brain Connectivity, 2017, 7, 123-136.	0.8	17
1887	Building better biomarkers: brain models in translational neuroimaging. Nature Neuroscience, 2017, 20, 365-377.	7.1	764
1888	Dynamic models of large-scale brain activity. Nature Neuroscience, 2017, 20, 340-352.	7.1	801
1889	Abnormal Effective Connectivity in the Brain is Involved in Auditory Verbal Hallucinations in Schizophrenia. Neuroscience Bulletin, 2017, 33, 281-291.	1.5	57
1890	Altered effective brain connectivity at early response of antipsychotics in first-episode schizophrenia with auditory hallucinations. Clinical Neurophysiology, 2017, 128, 867-874.	0.7	10
1891	Task-dependent modulation of amygdala connectivity in social anxiety disorder. Psychiatry Research - Neuroimaging, 2017, 262, 39-46.	0.9	21

ARTICLE IF CITATIONS Modeling of Human Behavior Within the Paradigm of Modern Physics. Understanding Complex 1892 0.3 0 Systems, 2017, , 213-249. Directed network discovery with dynamic network modelling. Neuropsychologia, 2017, 99, 1-11. 1893 Multimodal Imaging Evidence for a Frontoparietal Modulation of Visual Cortex during the Selective 1894 1.1 36 Processing of Conditioned Threat. Journal of Cognitive Neuroscience, 2017, 29, 953-967. Regression DCM for fMRI. NeuroImage, 2017, 155, 406-421. 1895 124 Frequency-phase analysis of resting-state functional MRI. Scientific Reports, 2017, 7, 43743. 1896 1.6 18 Joint rank and variable selection for parsimonious estimation in a high-dimensional finite mixture regression model. Journal of Multivariate Analysis, 2017, 157, 1-13. Resting State Effective Connectivity Allows Auditory Hallucination Discrimination. International 1898 3.2 21 Journal of Neural Systems, 2017, 27, 1750019. Networkâ€level assessment of rewardâ€related activation in patients with <scp>ADHD</scp> and healthy 1899 1.9 individuals. Human Brain Mapping, 2017, 38, 2359-2369. 1900 What does semantic tiling of the cortex tell us about semantics?. Neuropsychologia, 2017, 105, 18-38. 0.7 35 Effective connectivity gateways to the Theory of Mind network in processing communicative 2.1 39 intention. NeuroImage, 2017, 155, 169-176. Executive functioning and substance use in adolescence: Neurobiological and behavioral perspectives. 1902 0.7 43 Neuropsychologia, 2017, 100, 79-92. Simultaneous estimation of brain structure and function with MEG/EEG data., 2017, , . 1903 The dynamic programming high-order Dynamic Bayesian Networks learning for identifying effective 1904 1.3 9 connéctivity in human brain from fMRI. Journal of Neuroscience Methods, 2017, 285, 33-44. How doctors diagnose diseases and prescribe treatments: an fMRI study of diagnostic salience. 1905 1.6 Scientific Reports, 2017, 7, 1304. 1906 Constructing compact causal mathematical models for complex dynamics., 2017,,. 36 Inference in the age of big data: Future perspectives on neuroscience. NeuroImage, 2017, 155, 549-564. 161 The angular gyrus is a supramodal comparator area in action–outcome monitoring. Brain Structure 1908 1.2 41 and Function, 2017, 222, 3691-3703. A mathematical model of reward and executive circuitry in obsessive compulsive disorder. Journal of 1909 Theoretical Biology, 2017, 414, 165-175.

ARTICLE IF CITATIONS Neuroimaging of Chronic Pain., 2017, , 171-214. 2 1910 Neural Mechanisms of Updating under Reducible and Irreducible Uncertainty. Journal of 1911 1.7 Neuroscience, 2017, 37, 6972-6982. Exploiting neurovascular coupling: a Bayesian sequential Monte Carlo approach applied to simulated 1912 26 1.8 EEG fNIRS data. Journal of Neural Engineering, 2017, 14, 046029. Action Organization in Lateral Occipitotemporal Cortex. Journal of Neuroscience, 2017, 37, 5048-5050. A review of human neuroimaging investigations involved with central autonomic regulation of baroreflex-mediated cardiovascular control. Autonomic Neuroscience: Basic and Clinical, 2017, 207, 1914 1.4 36 10-21. Neural correlates of believing. NeuroImage, 2017, 156, 155-165. 2.1 OpenNFT: An open-source Python/Matlab framework for real-time fMRI neurofeedback training based 1916 2.1 57 on activity, connectivity and multivariate pattern analysis. NeuroImage, 2017, 156, 489-503. How do self-interest and other-need interact in the brain to determine altruistic behavior?. 2.1 Neurolmage, 2017, 157, 598-611. Decreased integration and information capacity in stroke measured by whole brain models of resting 1918 3.7 77 state activity. Brain, 2017, 140, 1068-1085. Exploring connectivity with large-scale Granger causality on resting-state functional MRI. Journal of 1.3 Neuroscience Methods, 2017, 287, 68-79. A Brain Model of Disturbed Self-Appraisal in Depression. American Journal of Psychiatry, 2017, 174, 1920 4.051 895-903. 1921 Large-scale DCMs for resting-state fMRI. Network Neuroscience, 2017, 1, 222-241. 1.4 146 Differential responses of the dorsomedial prefrontal cortex and right posterior superior temporal 1922 1.9 29 sulcus to spontaneous mentalizing. Human Brain Mapping, 2017, 38, 3791-3803. Prefrontal-parietal effective connectivity during working memory in older adults. Neurobiology of Aging, 2017, 57, 18-27. 1923 1.5 29 Applying fMRI complexity analyses to the single subject: a case study for proposed neurodiagnostics. 1924 0.2 1 Neurocase, 2017, 23, 120-137. Parallel Regulation of Memory and Emotion Supports the Suppression of Intrusive Memories. Journal 121 of Neuroscience, 2017, 37, 6423-6441. Decreased middle temporal gyrus connectivity in the language network in schizophrenia patients with 1926 1.0 37 auditory verbal hallucinations. Neuroscience Letters, 2017, 653, 177-182. Dynamic brain connectivity is a better predictor of PTSD than static connectivity. Human Brain 1927 Mapping, 2017, 38, 4479-4496.

#	Article	IF	CITATIONS
1928	Frontal temporal and parietal systems synchronize within and across brains during live eye-to-eye contact. Neurolmage, 2017, 157, 314-330.	2.1	171
1929	Working Memory Modulation of Frontoparietal Network Connectivity in First-Episode Schizophrenia. Cerebral Cortex, 2017, 27, 3832-3841.	1.6	49
1930	On the importance of modeling fMRI transients when estimating effective connectivity: A dynamic causal modeling study using ASL data. NeuroImage, 2017, 155, 217-233.	2.1	24
1931	The functional architectures of addition and subtraction: Network discovery using fMRI and DCM. Human Brain Mapping, 2017, 38, 3210-3225.	1.9	27
1932	Abnormal frontoparietal synaptic gain mediating the <scp>P</scp> 300 in patients with psychotic disorder and their unaffected relatives. Human Brain Mapping, 2017, 38, 3262-3276.	1.9	21
1933	A local adjustment strategy for the initialization of dynamic causal modelling to infer effective connectivity in brain epileptic structures. Computers in Biology and Medicine, 2017, 84, 30-44.	3.9	3
1934	Dynamic neural architecture for social knowledge retrieval. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3305-E3314.	3.3	76
1935	Modeling Functional Connectivity on Empirical and Randomized Structural Brain Networks. Differential Equations and Dynamical Systems, 2021, 29, 789-805.	0.5	2
1936	Network interactions underlying mirror feedback in stroke: A dynamic causal modeling study. NeuroImage: Clinical, 2017, 13, 46-54.	1.4	28
1937	Effective amygdala-prefrontal connectivity predicts individual differences in successful emotion regulation. Social Cognitive and Affective Neuroscience, 2017, 12, 569-585.	1.5	138
1938	Causal search procedures for fMRI: review and suggestions. Behaviormetrika, 2017, 44, 193-225.	0.9	16
1939	Disrupted prediction errors index social deficits in autism spectrum disorder. Brain, 2017, 140, 235-246.	3.7	63
1940	Central sensitization-related changes of effective and functional connectivity in the rat inflammatory trigeminal pain model. Neuroscience, 2017, 344, 133-147.	1.1	22
1941	State-dependent modulation of functional connectivity in early blind individuals. NeuroImage, 2017, 147, 532-541.	2.1	34
1942	Engagement of the left extrastriate body area during body-part metaphor comprehension. Brain and Language, 2017, 166, 1-18.	0.8	25
1943	Resolving the neural dynamics of visual and auditory scene processing in the human brain: a methodological approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160108.	1.8	31
1944	Computational approaches to schizophrenia: A perspective on negative symptoms. Schizophrenia Research, 2017, 186, 46-54.	1.1	27
1945	Brain network dysfunction in youth with obsessive-compulsive disorder induced by simple uni-manual behavior: The role of the dorsal anterior cingulate cortex. Psychiatry Research - Neuroimaging, 2017, 260, 6-15.	0.9	20

\sim			_		
CI	TAT	101	i Re	PO	RT

#	Article	IF	CITATIONS
1946	Conditioned task-set competition: Neural mechanisms of emotional interference in depression. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 269-289.	1.0	13
1947	Multivariate dynamical modelling of structural change during development. NeuroImage, 2017, 147, 746-762.	2.1	22
1948	Propofol-induced sedation diminishes the strength of frontal-parietal-occipital EEG network. , 2017, 2017, 4463-4466.		8
1949	Estimating cortical column sensory networks in rodents from micro-electrocorticograph (μECoG) recordings. NeuroImage, 2017, 163, 342-357.	2.1	2
1950	Foundations of anticipatory logic in biology and physics. Progress in Biophysics and Molecular Biology, 2017, 131, 108-120.	1.4	6
1952	Neural Mechanisms of Language. Innovations in Cognitive Neuroscience, 2017, , .	0.3	5
1953	Prognosis of Hippocampal Function after Sub-lethal Irradiation Brain Injury in Patients with Nasopharyngeal Carcinoma. Scientific Reports, 2017, 7, 14697.	1.6	13
1954	Weak Higher-Order Interactions in Macroscopic Functional Networks of the Resting Brain. Journal of Neuroscience, 2017, 37, 10481-10497.	1.7	8
1955	Self as Object: Emerging Trends in Self Research. Trends in Neurosciences, 2017, 40, 643-653.		91
1956	EEG-Based Brain-Computer Interfaces: A Novel Neurotechnology and Computational Intelligence Method. IEEE Systems, Man, and Cybernetics Magazine, 2017, 3, 16-26.	1.2	31
1957	Dynamics of large-scale fMRI networks: Deconstruct brain activity to build better models of brain function. Current Opinion in Biomedical Engineering, 2017, 3, 28-36.	1.8	58
1958	A tug of war: antagonistic effective connectivity patterns over the motor cortex and the severity of motor symptoms in Gilles de la Tourette syndrome. European Journal of Neuroscience, 2017, 46, 2203-2213.	1.2	12
1959	Functional Network Disruptions in Schizophrenia. Methods in Molecular Biology, 2017, 1613, 479-504.	0.4	4
1960	Multivariate brain network graph identification in functional MRI. Medical Image Analysis, 2017, 42, 228-240.	7.0	18
1961	Interpreting temporal fluctuations in resting-state functional connectivity MRI. NeuroImage, 2017, 163, 437-455.	2.1	234
1962	Neural mechanisms of motion perceptual learning in noise. Human Brain Mapping, 2017, 38, 6029-6042.	1.9	15
1963	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 3. BMC Neuroscience, 2017, 18, .	0.8	7
1964	A whole-brain computational modeling approach to explain the alterations in resting-state functional connectivity during progression of Alzheimer's disease. NeuroImage: Clinical, 2017, 16, 343-354.	1.4	73

#	Article	IF	CITATIONS
1965	Category-selective top-down modulation in the fusiform face area of the human brain during visual search. , 2017, , .		0
1966	Bayesian inference of high-dimensional, cluster-structured ordinary differential equation models with applications to brain connectivity studies. Annals of Applied Statistics, 2017, 11, .	0.5	13
1967	Interactions of the Salience Network and Its Subsystems with the Default-Mode and the Central-Executive Networks in Normal Aging and Mild Cognitive Impairment. Brain Connectivity, 2017, 7, 401-412.	0.8	149
1968	The impact of hemodynamic variability and signal mixing on the identifiability of effective connectivity structures in <scp>BOLD fMRI</scp> . Brain and Behavior, 2017, 7, e00777.	1.0	20
1969	Computational Psychosomatics and Computational Psychiatry: Toward a Joint Framework for Differential Diagnosis. Biological Psychiatry, 2017, 82, 421-430.	0.7	131
1970	Brain networks of social action-outcome contingency: The role of the ventral striatum in integrating signals from the sensory cortex and medial prefrontal cortex. Neuroscience Research, 2017, 123, 43-54.	1.0	11
1971	General and selective brain connectivity alterations in essential tremor: A resting state fMRI study. NeuroImage: Clinical, 2017, 16, 468-476.	1.4	29
1972	Cerebellar degeneration affects cortico-cortical connectivity in motor learning networks. NeuroImage: Clinical, 2017, 16, 66-78.	1.4	27
1973	Abnormal resting state effective connectivity within the default mode network in major depressive disorder: A spectral dynamic causal modeling study. Brain and Behavior, 2017, 7, e00732.	1.0	39
1974	Distinct Top-down and Bottom-up Brain Connectivity During Visual Perception and Imagery. Scientific Reports, 2017, 7, 5677.	1.6	123
1975	Dissonance encoding in human inferior colliculus covaries with individual differences in dislike of dissonant music. Scientific Reports, 2017, 7, 5726.	1.6	8
1976	Contextual connectivity: A framework for understanding the intrinsic dynamic architecture of large-scale functional brain networks. Scientific Reports, 2017, 7, 6537.	1.6	38
1977	Identifying directional connections in brain networks via multi-kernel granger models. , 2017, , .		3
1978	Stationary Graph Processes and Spectral Estimation. IEEE Transactions on Signal Processing, 2017, 65, 5911-5926.	3.2	133
1979	Rewards and Cognitive Control in the Human Prefrontal Cortex. Cerebral Cortex, 2017, 27, 5024-5039.	1.6	54
1980	Multi-Connection Pattern Analysis: Decoding the representational content of neural communication. NeuroImage, 2017, 162, 32-44.	2.1	10
1981	A study of problems encountered in Granger causality analysis from a neuroscience perspective. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7063-E7072.	3.3	221
1982	Tractography-based score for learning Effective Connectivity from Multimodal imaging data using dynamic Bayesian networks. IEEE Transactions on Biomedical Engineering, 2017, 65, 1-1.	2.5	9

#	ARTICLE	IF	Citations
1983	Separate mesocortical and mesolimbic pathways encode effort and reward learning signals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7395-E7404.	3.3	107
1984	Resting state networks in empirical and simulated dynamic functional connectivity. NeuroImage, 2017, 159, 388-402.	2.1	33
1985	Classification framework for partially observed dynamical systems. Physical Review E, 2017, 95, 043303.	0.8	7
1986	Neural Basis of Cognitive Control over Movement Inhibition: Human fMRI and Primate Electrophysiology Evidence. Neuron, 2017, 96, 1447-1458.e6.	3.8	53
1987	Closed-Loop Control of the Frequency Response of the Virtual Brain Model. , 2017, , .		0
1988	Network Mapping with GIMME. Multivariate Behavioral Research, 2017, 52, 789-804.	1.8	95
1989	Kernel Analysis for Estimating the Connectivity of a Network with Event Sequences. Journal of Artificial Intelligence and Soft Computing Research, 2017, 7, 17-31.	3.5	7
1990	Verbal working memory and functional large-scale networks in schizophrenia. Psychiatry Research - Neuroimaging, 2017, 270, 86-96.	0.9	8
1991	Hippocampal GABA enables inhibitory control over unwanted thoughts. Nature Communications, 2017, 8, 1311.	5.8	105
1992	Neuroimaging with functional near infrared spectroscopy: From formation to interpretation. Infrared Physics and Technology, 2017, 85, 225-237.	1.3	6
1993	Neural inhibition can explain negative BOLD responses: A mechanistic modelling and fMRI study. NeuroImage, 2017, 158, 219-231.	2.1	47
1994	The Unpredictive Brain Under Threat: A Neurocomputational Account of Anxious Hypervigilance. Biological Psychiatry, 2017, 82, 447-454.	0.7	66
1995	Increased Stability and Breakdown of Brain Effective Connectivity During Slow-Wave Sleep: Mechanistic Insights from Whole-Brain Computational Modelling. Scientific Reports, 2017, 7, 4634.	1.6	90
1996	Inferring functional connectivity in fMRI using minimum partial correlation. International Journal of Automation and Computing, 2017, 14, 371-385.	4.5	5
1997	Bridging the gap between system and cell: The role of ultra-high field MRI in human neuroscience. Progress in Brain Research, 2017, 233, 179-220.	0.9	11
1998	Neural mechanisms underlying valence inferences to sound: The role of the right angular gyrus. Neuropsychologia, 2017, 102, 144-162.	0.7	6
1999	Interindividual differences in motor network connectivity and behavioral response to iTBS in stroke patients. NeuroImage: Clinical, 2017, 15, 559-571.	1.4	47
2000	Backward renormalization-group inference of cortical dipole sources and neural connectivity efficacy. Physical Review E, 2017, 95, 062415.	0.8	2

		CITATION RE	PORT	
#	Article		IF	Citations
2001	Empirical validation of directed functional connectivity. NeuroImage, 2017, 146, 275-2	287.	2.1	33
2002	A statistical framework for neuroimaging data analysis based on mutual information e gaussian copula. Human Brain Mapping, 2017, 38, 1541-1573.	stimated via a	1.9	225
2003	Multipleâ€region directed functional connectivity based on phase delays. Human Brair 1374-1386.	ι Mapping, 2017, 38,	1.9	12
2004	Effects of astrocytic dynamics on spatiotemporal hemodynamics: Modeling and enhar analysis. Neurolmage, 2017, 147, 994-1005.	ced data	2.1	22
2005	The rTPJ's overarching cognitive function in networks for attention and theory of r Cognitive and Affective Neuroscience, 2017, 12, 157-168.	nind. Social	1.5	56
2006	Targeted intervention: Computational approaches to elucidate and predict relapse in a NeuroImage, 2017, 151, 33-44.	lcoholism.	2.1	28
2007	Ten problems and solutions when predicting individual outcome from lesion site after NeuroImage, 2017, 145, 200-208.	stroke.	2.1	75
2008	Distributed Patterns of Brain Activity Underlying Real-Time fMRI Neurofeedback Trainir Transactions on Biomedical Engineering, 2017, 64, 1228-1237.	ng. IEEE	2.5	10
2009	Decreasing predictability of visual motion enhances feed-forward processing in visual o stimuli are behaviorally relevant. Brain Structure and Function, 2017, 222, 849-866.	cortex when	1.2	7
2010	Reversing the Standard Neural Signature of the Word–Nonword Distinction. Journal Neuroscience, 2017, 29, 79-94.	of Cognitive	1.1	23
2011	Dopamine, fronto-striato-thalamic circuits and risk for psychosis. Schizophrenia Resear 48-57.	rch, 2017, 180,	1.1	66
2012	Models of neuromodulation for computational psychiatry. Wiley Interdisciplinary Revie Science, 2017, 8, e1420.	ws: Cognitive	1.4	18
2013	Glucocorticoid Administration Improves Aberrant Fear-Processing Networks in Spider F Neuropsychopharmacology, 2017, 42, 485-494.	Phobia.	2.8	27
2014	Integration demands modulate effective connectivity in a fronto-temporal network for sentence integration. NeuroImage, 2017, 147, 812-824.	contextual	2.1	20
2015	A human chemosignal modulates frontolimbic activity and connectivity in response to stimuli. Psychoneuroendocrinology, 2017, 75, 15-25.	emotional	1.3	15
2016	Reading in dyslexia across literacy development: A longitudinal study of effective conn NeuroImage, 2017, 144, 92-100.	ectivity.	2.1	64
2017	An fMRI and effective connectivity study investigating miss errors during advice utiliza human and machine agents. Social Neuroscience, 2017, 12, 570-581.	tion from	0.7	23
2018	Interaction of language, auditory and memory brain networks in auditory verbal halluc Progress in Neurobiology, 2017, 148, 1-20.	inations.	2.8	169

ARTICLE IF CITATIONS Independent functional connectivity networks underpin food and monetary reward sensitivity in 2019 2.1 29 excess weight. NeuroImage, 2017, 146, 293-300. Tracking Switched Dynamic Network Topologies From Information Cascades. IEEE Transactions on 3.2 Signal Processing, 2017, 65, 985-997. Heritability of the Effective Connectivity in the Resting-State Default Mode Network. Cerebral Cortex, 2021 33 1.6 2017, 27, 5626-5634. The neurobiology of emotion regulation in posttraumatic stress disorder: Amygdala downregulation 1.9 173 via realâ€ŧime fMRI neurofeedback. Human Brain Mapping, 2017, 38, 541-560. Neural Plasticity in Human Brain Connectivity., 2017, , 527-546. 2023 0 Generalized Psychophysiological Interaction (PPI) Analysis of Memory Related Connectivity in Individuals at Genetic Risk for Alzheimer's Disease. Journal of Visualized Experiments, 2017, , . 2024 0.2 Studying the effective brain connectivity using multiregression dynamic models. Brazilian Journal of 2026 0.1 4 Probability and Statistics, 2017, 31, . Dynamic causal modeling in PTSD and its dissociative subtype: Bottom–up versus top–down 1.9 108 processing within fear and emotion regulation circuitry. Human Brain Mapping, 2017, 38, 5551-5561. 2028 Multi-kernel change detection for dynamic functional connectivity graphs., 2017, , . 5 Testing for directed information graphs., 2017,,. 2030 Estimating effective connectivity in linear brain network models., 2017, , . 7 Nonparametric test for connectivity detection in multivariate autoregressive networks and 1.4 application to multiunit activity data. Network Neuroscience, 2017, 1, 357-380. 2032 Stroop, Cocaine Dependence, and Intrinsic Connectivity., 2017, 331-339. 2 The Interplay of Hippocampus and Ventromedial Prefrontal Cortex in Memory-Based Decision Making. Brain Sciences, 2017, 7, 4. 1.1 58 Investigating Focal Connectivity Deficits in Alzheimer's Disease Using Directional Brain Networks 2034 1.7 17 Derived from Resting-State fMRI. Frontiers in Aging Neuroscience, 2017, 9, 211. Interactions of Insula Subdivisions-Based Networks with Default-Mode and Central-Executive Networks in Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2017, 9, 367. Effective Connectivity Analysis of the Brain Network in Drivers during Actual Driving Using 2036 1.0 38 Near-Infrared Spectroscopy. Frontiers in Behavioral Neuroscience, 2017, 11, 211. Modeling the Dynamics of Human Brain Activity with Recurrent Neural Networks. Frontiers in 1.2 Computational Neuroscience, 2017, 11, 7.

#	Article	IF	CITATIONS
2038	Functional Neuroimaging in Traumatic Brain Injury: From Nodes to Networks. Frontiers in Neurology, 2017, 8, 407.	1.1	45
2039	Neural Patterns of Reorganization after Intensive Robot-Assisted Virtual Reality Therapy and Repetitive Task Practice in Patients with Chronic Stroke. Frontiers in Neurology, 2017, 8, 452.	1.1	42
2040	Effective Connectivity between Ventral Occipito-Temporal and Ventral Inferior Frontal Cortex during Lexico-Semantic Processing. A Dynamic Causal Modeling Study. Frontiers in Human Neuroscience, 2017, 11, 325.	1.0	18
2041	Musical Expertise Increases Top–Down Modulation Over Hippocampal Activation during Familiarity Decisions. Frontiers in Human Neuroscience, 2017, 11, 472.	1.0	10
2042	Cerebello-Cortical Differences in Effective Connectivity of the Dominant and Non-dominant Hand during a Visuomotor Paradigm of Grip Force Control. Frontiers in Human Neuroscience, 2017, 11, 511.	1.0	20
2043	The Functional Architecture of the Brain Underlies Strategic Deception in Impression Management. Frontiers in Human Neuroscience, 2017, 11, 513.	1.0	9
2044	Distributed Neural Activity Patterns during Human-to-Human Competition. Frontiers in Human Neuroscience, 2017, 11, 571.	1.0	48
2045	Supervised Estimation of Granger-Based Causality between Time Series. Frontiers in Neuroinformatics, 2017, 11, 68.	1.3	5
2046	Bridging the Gap between Brain Activity and Cognition: Beyond the Different Tales of fMRI Data Analysis. Frontiers in Neuroscience, 2017, 11, 31.	1.4	10
2047	The Changing Landscape of Neuroscience Research, 2006–2015: A Bibliometric Study. Frontiers in Neuroscience, 2017, 11, 120.	1.4	131
2048	Variational Bayesian Parameter Estimation Techniques for the General Linear Model. Frontiers in Neuroscience, 2017, 11, 504.	1.4	9
2049	Dynamic Causal Modeling of the Cortical Responses to Wrist Perturbations. Frontiers in Neuroscience, 2017, 11, 518.	1.4	8
2050	Psychophysiological Interactions in a Visual Checkerboard Task: Reproducibility, Reliability, and the Effects of Deconvolution. Frontiers in Neuroscience, 2017, 11, 573.	1.4	27
2051	Machine Learning Classification Combining Multiple Features of A Hyper-Network of fMRI Data in Alzheimer's Disease. Frontiers in Neuroscience, 2017, 11, 615.	1.4	43
2052	Determining Excitatory and Inhibitory Neuronal Activity from Multimodal fMRI Data Using a Generative Hemodynamic Model. Frontiers in Neuroscience, 2017, 11, 616.	1.4	98
2053	Neural Cross-Frequency Coupling Functions. Frontiers in Systems Neuroscience, 2017, 11, 33.	1.2	50
2054	A Functional Network Perspective on the Role of the Frontal Lobes in Executive Cognition. , 2017, , 71-104.		0
2055	Hybrid Cubature Kalman filtering for identifying nonlinear models from sampled recording: Estimation of neuronal dynamics. PLoS ONE, 2017, 12, e0181513.	1.1	4

	C	ITATION REPOR	т	
#	Article	IF	Сітат	TIONS
2056	EEG-based motor network biomarkers for identifying target patients with stroke for upper limb rehabilitation and its construct validity. PLoS ONE, 2017, 12, e0178822.	1.1	21	
2057	Differential temperature sensitivity of synaptic and firing processes in a neural mass model of epileptic discharges explains heterogeneous response of experimental epilepsy to focal brain cooling PLoS Computational Biology, 2017, 13, e1005736.	. 1.5	4	
2058	Brain networking analysis in migraine with and without aura. Journal of Headache and Pain, 2017, 18 98.	, 2.5	36	
2059	Altered activation and connectivity in a hippocampal–basal ganglia–midbrain circuit during salie processing in subjects at ultra high risk for psychosis. Translational Psychiatry, 2017, 7, e1245-e1245		47	
2060	Assessing functional connectivity of brainstem nuclei in fMRI data. , 2017, , .		0	
2061	Searching for nonlinear relationships in fMRI data with symbolic regression. , 2017, , .		3	
2062	How to Perform and Interpret Functional Magnetic Resonance Imaging Studies in Functional Gastrointestinal Disorders. Journal of Neurogastroenterology and Motility, 2017, 23, 197-207.	0.8	3 9	
2063	Using large-scale Granger causality to study changes in brain network properties in the Clinically Isolated Syndrome (CIS) stage of multiple sclerosis. Proceedings of SPIE, 2017, 10137, .	0.8	3 4	
2064	Modulation of taskâ€related cortical connectivity in the acute and subacute phase after stroke. European Journal of Neuroscience, 2018, 47, 1024-1032.	1.2	11	
2065	Connecting Theory and Methods in Adolescent Brain Research. Journal of Research on Adolescence, 2018, 28, 10-25.	1.9	9	
2066	Detection of Respiration Movement Asymmetry Between the Left and Right Lungs Using Mutual Information and Transfer Entropy. IEEE Access, 2018, 6, 605-613.	2.6	0 11	
2067	What is mood? A computational perspective. Psychological Medicine, 2018, 48, 2277-2284.	2.7	132	
2068	Electrophysiological Source Imaging: A Noninvasive Window to Brain Dynamics. Annual Review of Biomedical Engineering, 2018, 20, 171-196.	5.7	176	
2069	Network connectivity of motor control in the ageing brain. NeuroImage: Clinical, 2018, 18, 443-455.	1.4	65	
2070	Biophysical modeling of neural plasticity induced by transcranial magnetic stimulation. Clinical Neurophysiology, 2018, 129, 1230-1241.	0.7	42	
2071	An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data. Journal of Neuroscience Methods, 2018, 304, 52-65.	1.3	0	
2072	Dynamic causal modelling on infant fNIRS data: A validation study on a simultaneously recorded fNIRS-fMRI dataset. NeuroImage, 2018, 175, 413-424.	2.1	. 30	
2073	Hemodynamic response function (HRF) variability confounds restingâ€state fMRI functional connectivity. Magnetic Resonance in Medicine, 2018, 80, 1697-1713.	1.9	101	

#	Article	IF	CITATIONS
2074	Ultraâ€highâ€field fMRI insights on insight: Neural correlates of the Aha!â€moment. Human Brain Mapping, 2018, 39, 3241-3252.	1.9	98
2075	Thresholding functional connectomes by means of mixture modeling. NeuroImage, 2018, 171, 402-414.	2.1	25
2076	Directed functional connectivity using dynamic graphical models. NeuroImage, 2018, 175, 340-353.	2.1	23
2077	Dynamic causal modeling revealed dysfunctional effective connectivity in both, the cortico-basal-ganglia and the cerebello-cortical motor network in writers' cramp. NeuroImage: Clinical, 2018, 18, 149-159.	1.4	26
2078	Dynamic Causal Modeling of Preclinical Autosomal-Dominant Alzheimer's Disease. Journal of Alzheimer's Disease, 2018, 65, 697-711.	1.2	15
2079	Parameters and fractional differentiation orders estimation for linear continuous-time non-commensurate fractional order systems. Systems and Control Letters, 2018, 115, 26-33.	1.3	31
2080	Early modulation of intra-cortical inhibition during the observation of action mistakes. Scientific Reports, 2018, 8, 1784.	1.6	17
2081	Inhibition or facilitation? Modulation of corticospinal excitability during motor imagery. Neuropsychologia, 2018, 111, 360-368.	0.7	22
2082	Simultaneous estimation of population receptive field and hemodynamic parameters from single point BOLD responses using Metropolis-Hastings sampling. NeuroImage, 2018, 172, 175-193.	2.1	12
2083	Altered auditory processing and effective connectivity in 22q11.2 deletion syndrome. Schizophrenia Research, 2018, 197, 328-336.	1.1	24
2084	Altered frontalâ€amygdala effective connectivity during effortful emotion regulation in bipolar disorder. Bipolar Disorders, 2018, 20, 349-358.	1.1	33
2085	Generative models for clinical applications in computational psychiatry. Wiley Interdisciplinary Reviews: Cognitive Science, 2018, 9, e1460.	1.4	34
2086	Incapacity to control emotion in major depression may arise from disrupted white matter integrity and <scp>OFC</scp> â€amygdala inhibition. CNS Neuroscience and Therapeutics, 2018, 24, 1053-1062.	1.9	30
2087	Emergence of the neural network underlying phonological processing from the prereading to the emergent reading stage: A longitudinal study. Human Brain Mapping, 2018, 39, 2047-2063.	1.9	50
2088	Sensory and cross-network contributions to response inhibition in patients with schizophrenia. NeuroImage: Clinical, 2018, 18, 31-39.	1.4	34
2089	Putting the "dynamic―back into dynamic functional connectivity. Network Neuroscience, 2018, 2, 150-174.	1.4	46
2090	Computational Models of Dysconnectivity in Large-Scale Resting-State Networks. , 2018, , 87-116.		2
2091	Dynamic Causal Modeling and Its Application to Psychiatric Disorders. , 2018, , 117-144.		4

#	Article	IF	CITATIONS
2092	The Hierarchical Organization of the Default, Dorsal Attention and Salience Networks in Adolescents and Young Adults. Cerebral Cortex, 2018, 28, 726-737.	1.6	144
2093	Effective connectivity during working memory and resting states: A DCM study. NeuroImage, 2018, 169, 485-495.	2.1	31
2094	Affective and cooperative social interactions modulate effective connectivity within and between the mirror and mentalizing systems. Human Brain Mapping, 2018, 39, 1412-1427.	1.9	44
2095	Modeling the interrelationships between brain activity and trait attention measures to predict individual differences in reaction times in children during a Go/No-Go task. Neuropsychologia, 2018, 109, 222-231.	0.7	3
2096	Multimodal approaches to functional connectivity in autism spectrum disorders: An integrative perspective. Developmental Neurobiology, 2018, 78, 456-473.	1.5	48
2097	Dissociating Landmark Stability from Orienting Value Using Functional Magnetic Resonance Imaging. Journal of Cognitive Neuroscience, 2018, 30, 698-713.	1.1	9
2098	Studying emotion theories through connectivity analysis: Evidence from generalized psychophysiological interactions and graph theory. NeuroImage, 2018, 172, 250-262.	2.1	14
2099	Retrosplenial Cortex Indexes Stability beyond the Spatial Domain. Journal of Neuroscience, 2018, 38, 1472-1481.	1.7	28
2100	Beyond Functional Connectivity: Investigating Networks of Multivariate Representations. Trends in Cognitive Sciences, 2018, 22, 258-269.	4.0	116
2101	Being on Target: Visual Information during Writing Affects Effective Connectivity in Parkinson's Disease. Neuroscience, 2018, 371, 484-494.	1.1	9
2102	Topology Identification and Learning over Graphs: Accounting for Nonlinearities and Dynamics. Proceedings of the IEEE, 2018, 106, 787-807.	16.4	136
2103	The effect of a single dose of escitalopram on sensorimotor networks. Brain and Behavior, 2018, 8, e00975.	1.0	3
2104	Electroencephalography Source Connectivity: Aiming for High Resolution of Brain Networks in Time and Space. IEEE Signal Processing Magazine, 2018, 35, 81-96.	4.6	137
2105	Aberrant hemodynamic responses in autism: Implications for resting state fMRI functional connectivity studies. NeuroImage: Clinical, 2018, 19, 320-330.	1.4	40
2106	Robustness of Representative Signals Relative to Data Loss Using Atlas-Based Parcellations. Brain Topography, 2018, 31, 767-779.	0.8	4
2107	Action and semantic tool knowledge – Effective connectivity in the underlying neural networks. Human Brain Mapping, 2018, 39, 3473-3486.	1.9	25
2108	Pain Neuroimaging in Humans: A Primer for Beginners and Non-Imagers. Journal of Pain, 2018, 19, 961.e1-961.e21.	0.7	29
2109	Targeted Learning in Data Science. Springer Series in Statistics, 2018, , .	0.9	92

#	Article	IF	CITATIONS
2110	Research Questions in Data Science. Springer Series in Statistics, 2018, , 3-14.	0.9	0
2111	Time, frequency, and timeâ€varying Grangerâ€causality measures in neuroscience. Statistics in Medicine, 2018, 37, 1910-1931.	0.8	44
2112	Controlled semantic cognition relies upon dynamic and flexible interactions between the executive †̃semantic control' and hub-and-spoke †̃semantic representation' systems. Cortex, 2018, 103, 100-1	16 <mark>.</mark> 11	99
2113	Rewiring the connectome: Evidence and effects. Neuroscience and Biobehavioral Reviews, 2018, 88, 51-62.	2.9	65
2114	Information transfer between rich-club structures in the human brain. Procedia Computer Science, 2018, 123, 440-445.	1.2	7
2115	Estimating the impact of structural directionality: How reliable are undirected connectomes?. Network Neuroscience, 2018, 2, 259-284.	1.4	33
2116	A novel modulator of AMPA receptors against Alzheimer's Disease pathology: the first in vivo evidence. European Neuropsychopharmacology, 2018, 28, S54-S55.	0.3	1
2117	Generate the scale-free brain music from BOLD signals. Medicine (United States), 2018, 97, e9628.	0.4	4
2118	Functional coupling between frontoparietal and occipitotemporal pathways during action and perception. Cortex, 2018, 98, 8-27.	1.1	49
2119	Anomalous network architecture of the resting brain in children who stutter. Journal of Fluency Disorders, 2018, 55, 46-67.	0.7	62
2120	Prefrontal dysconnectivity links to working memory deficit in first-episode schizophrenia. Brain Imaging and Behavior, 2018, 12, 335-344.	1.1	10
2121	What Role Does "Elongation―Play in "Tool-Specific―Activation and Connectivity in the Dorsal and Ventral Visual Streams?. Cerebral Cortex, 2018, 28, 1117-1131.	1.6	54
2122	Hick–Hyman Law is Mediated by the Cognitive Control Network in the Brain. Cerebral Cortex, 2018, 28, 2267-2282.	1.6	40
2123	Modeling Task fMRI Data Via Deep Convolutional Autoencoder. IEEE Transactions on Medical Imaging, 2018, 37, 1551-1561.	5.4	135
2124	Functional brain connectivity of remembered fatigue or happiness in healthy adults: Use of arterial spin labeling. Journal of Clinical and Experimental Neuropsychology, 2018, 40, 224-233.	0.8	7
2125	Hippocampal Engagement during Recall Depends on Memory Content. Cerebral Cortex, 2018, 28, 2685-2698.	1.6	26
2126	Estimation of Multiple Point Sources for Linear Fractional Order Systems Using Modulating Functions. , 2018, 2, 7-12.		4
2127	Linking Entropy at Rest with the Underlying Structural Connectivity in the Healthy and Lesioned Brain. Cerebral Cortex, 2018, 28, 2948-2958.	1.6	31

#	Article	IF	Citations
2128	Identifying disease foci from static and dynamic effective connectivity networks: Illustration in soldiers with trauma. Human Brain Mapping, 2018, 39, 264-287.	1.9	47
2129	Long reaction times are associated with delayed brain activity in lewy body dementia. Human Brain Mapping, 2018, 39, 633-643.	1.9	16
2130	Familial Risk and a Genome-Wide Supported DRD2 Variant for Schizophrenia Predict Lateral Prefrontal-Amygdala Effective Connectivity During Emotion Processing. Schizophrenia Bulletin, 2018, 44, 834-843.	2.3	16
2131	MULAN: Evaluation and ensemble statistical inference for functional connectivity. NeuroImage, 2018, 166, 167-184.	2.1	16
2132	Altered anterior cingulate cortex to hippocampus effective connectivity in response to drug cues in men with cocaine use disorder. Psychiatry Research - Neuroimaging, 2018, 271, 59-66.	0.9	17
2133	Combining region- and network-level brain-behavior relationships in a structural equation model. NeuroImage, 2018, 165, 158-169.	2.1	18
2134	Effective connectivity inferred from fMRI transition dynamics during movie viewing points to a balanced reconfiguration of cortical interactions. NeuroImage, 2018, 180, 534-546.	2.1	57
2135	Pattern component modeling: A flexible approach for understanding the representational structure of brain activity patterns. NeuroImage, 2018, 180, 119-133.	2.1	62
2136	Multistable Perception and the Role of the Frontoparietal Cortex in Perceptual Inference. Annual Review of Psychology, 2018, 69, 77-103.	9.9	109
2137	Neurobiological mechanisms of exercise and psychotherapy in depression: The SPeED study—Rationale, design, and methodological issues. Clinical Trials, 2018, 15, 53-64.	0.7	18
2138	Estimation of effective connectivity using multi-layer perceptron artificial neural network. Cognitive Neurodynamics, 2018, 12, 21-42.	2.3	27
2139	Bayesian population receptive field modelling. NeuroImage, 2018, 180, 173-187.	2.1	56
2140	Association between coal consumption and urbanization in a coal-based region: a multivariate path analysis. Environmental Science and Pollution Research, 2018, 25, 533-540.	2.7	5
2141	Identifying neural drivers of benign childhood epilepsy with centrotemporal spikes. NeuroImage: Clinical, 2018, 17, 739-750.	1.4	15
2142	Communication dynamics in complex brain networks. Nature Reviews Neuroscience, 2018, 19, 17-33.	4.9	593
2143	Altered effective connectivity contributes to micrographia in patients with Parkinson's disease and freezing of gait. Journal of Neurology, 2018, 265, 336-347.	1.8	12
2144	Enhanced Brain Network Activity in Complex Movement Rhythms: A Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography Study. Brain Connectivity, 2018, 8, 68-81.	0.8	5
2145	Quantitative relations between BOLD responses, cortical energetics, and impulse firing. Journal of Neurophysiology, 2018, 119, 979-989.	0.9	5

#	Article	IF	CITATIONS
2146	Network dynamics engaged in the modulation of motor behavior in stroke patients. Human Brain Mapping, 2018, 39, 1078-1092.	1.9	26
2147	An integrated brain–behavior model for working memory. Molecular Psychiatry, 2018, 23, 1974-1980.	4.1	37
2148	Analysis of fMRI data using noise-diffusion network models: a new covariance-coding perspective. Biological Cybernetics, 2018, 112, 153-161.	0.6	5
2149	Interactive effects of seizure frequency and lateralization on intratemporal effective connectivity in temporal lobe epilepsy. Epilepsia, 2018, 59, 215-225.	2.6	22
2150	Altered intrinsic and extrinsic connectivity in schizophrenia. NeuroImage: Clinical, 2018, 17, 704-716.	1.4	55
2151	Discovering Brain Mechanisms Using Network Analysis and Causal Modeling. Minds and Machines, 2018, 28, 265-286.	2.7	6
2152	Collective sparse symmetric non-negative matrix factorization for identifying overlapping communities in resting-state brain functional networks. NeuroImage, 2018, 166, 259-275.	2.1	23
2153	Increased hippocampus to ventromedial prefrontal connectivity during the construction of episodic future events. Hippocampus, 2018, 28, 76-80.	0.9	69
2154	Dynamic effective connectivity in resting state fMRI. NeuroImage, 2018, 180, 594-608.	2.1	100
2155	LSD modulates effective connectivity and neural adaptation mechanisms in an auditory oddball paradigm. Neuropharmacology, 2018, 142, 251-262.	2.0	42
2156	Restoring Motor Functions After Stroke: Multiple Approaches and Opportunities. Neuroscientist, 2018, 24, 400-416.	2.6	60
2157	The cerebral basis of Parkinsonian tremor: A network perspective. Movement Disorders, 2018, 33, 219-231.	2.2	98
2158	Great Expectations: Is there Evidence for Predictive Coding in Auditory Cortex?. Neuroscience, 2018, 389, 54-73.	1.1	281
2159	Reliability-Weighted Integration of Audiovisual Signals Can Be Modulated by Top-down Attention. ENeuro, 2018, 5, ENEURO.0315-17.2018.	0.9	53
2160	Variation in Brainâ \in ™s Effective Connectivity due to Driving using Partial Directed Coherence. , 2018, , .		0
2161	A Tutorial for Information Theory in Neuroscience. ENeuro, 2018, 5, ENEURO.0052-18.2018.	0.9	160
2163	The cortical-muscular functional coupling performance evaluation based on harmonic wavelet and symbolic phase transfer entropy. , 2018, , .		2
2164	The role of noise modeling in the estimation of resting-state brain effective connectivity. IFAC-PapersOnLine, 2018, 51, 527-532.	0.5	2

#	Article	IF	CITATIONS
2165	Research and Design of AES Security Processor Model Based on FPGA. Procedia Computer Science, 2018, 131, 249-254.	1.2	4
2166	Refining the Common Model of Cognition Through Large Neuroscience Data. Procedia Computer Science, 2018, 145, 813-820.	1.2	8
2167	On dynamic network modeling of stationary multivariate processes. IFAC-PapersOnLine, 2018, 51, 850-855.	0.5	2
2168	A Direct-solution Fuzzy Collaborative Intelligence Approach for Yield Forecasting in Semiconductor Manufacturing. Procedia Manufacturing, 2018, 17, 110-117.	1.9	14
2169	Functional Magnetic Resonance Imaging in Huntington's Disease. International Review of Neurobiology, 2018, 142, 381-408.	0.9	6
2170	Biophysically interpretable recurrent neural network for functional magnetic resonance imaging analysis and sparsity based causal architecture discovery. , 2018, 2018, 275-278.		0
2171	Working Memory-Related Effective Connectivity in Huntington's Disease Patients. Frontiers in Neurology, 2018, 9, 370.	1.1	12
2172	Aberrances of Cortex Excitability and Connectivity Underlying Motor Deficit in Acute Stroke. Neural Plasticity, 2018, 2018, 1-10.	1.0	17
2173	Quasi-experimental causality in neuroscience and behavioural research. Nature Human Behaviour, 2018, 2, 891-898.	6.2	72
2174	Effective connectivity of the anterior hippocampus predicts recollection confidence during natural memory retrieval. Nature Communications, 2018, 9, 4875.	5.8	46
2175	Altered predictive capability of the brain network EEG model in schizophrenia during cognition. Schizophrenia Research, 2018, 201, 120-129.	1.1	24
2176	Multi-Region Correlation Based Functional Brain Network for Disease Diagnosis and Cognitive States Detection. IEEE Access, 2018, 6, 78065-78076.	2.6	2
2177	Peripheral Nervous System Reconstruction Reroutes Cortical Motor Output—Brain Reorganization Uncovered by Effective Connectivity. Frontiers in Neurology, 2018, 9, 1116.	1.1	5
2178	The Relationship of Discrete DCM and Directed Information in fMRI-Based Causality Analysis. IEEE Transactions on Molecular, Biological, and Multi-Scale Communications, 2018, 4, 3-13.	1.4	1
2179	Structural and effective brain connectivity underlying biological motion detection. Proceedings of the United States of America, 2018, 115, E12034-E12042.	3.3	70
2180	Brain Network Changes in Fatigued Drivers: A Longitudinal Study in a Real-World Environment Based on the Effective Connectivity Analysis and Actigraphy Data. Frontiers in Human Neuroscience, 2018, 12, 418.	1.0	19
2181	Distinct sensitivities of the lateral prefrontal cortex and extrastriate body area to contingency between executed and observed actions. Cortex, 2018, 108, 234-251.	1.1	12
2182	A Connectomic Atlas of the Human Cerebrum—Chapter 1: Introduction, Methods, and Significance. Operative Neurosurgery, 2018, 15, S1-S9.	0.4	31

#	Article	IF	CITATIONS
2183	Comparison of fluctuations in global network topology of modeled and empirical brain functional connectivity. PLoS Computational Biology, 2018, 14, e1006497.	1.5	24
2184	NMDA-receptor antibodies alter cortical microcircuit dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9916-E9925.	3.3	39
2185	Dynamic Complexity of Spontaneous BOLD Activity in Alzheimer's Disease and Mild Cognitive Impairment Using Multiscale Entropy Analysis. Frontiers in Neuroscience, 2018, 12, 677.	1.4	34
2186	Neurogenetic profiles delineate large-scale connectivity dynamics of the human brain. Nature Communications, 2018, 9, 3876.	5.8	48
2187	Interhemispheric interactions during sentence comprehension in patients with aphasia. Cortex, 2018, 109, 74-91.	1.1	20
2188	Draining the pond and catching the fish: Uncovering the ecosystem of auditory verbal hallucinations. NeuroImage: Clinical, 2018, 20, 830-843.	1.4	8
2189	Diminished positive affect and traumatic stress: A biobehavioral review and commentary on trauma affective neuroscience. Neurobiology of Stress, 2018, 9, 214-230.	1.9	27
2190	Analyzing Neural Activity and Connectivity Using Intracranial EEG Data with SPM Software. Journal of Visualized Experiments, 2018, , .	0.2	1
2192	Large-Scale Cortical Networks for Hierarchical Prediction and Prediction Error in the Primate Brain. Neuron, 2018, 100, 1252-1266.e3.	3.8	156
2193	Seizure pathways: A model-based investigation. PLoS Computational Biology, 2018, 14, e1006403.	1.5	37
2194	Exploiting connectivity structures for decomposing process plants. Journal of Process Control, 2018, 71, 116-129.	1.7	3
2195	Cortical Measures of Phoneme-Level Speech Encoding Correlate with the Perceived Clarity of Natural Speech. ENeuro, 2018, 5, ENEURO.0084-18.2018.	0.9	56
2196	Phase locking value revisited: teaching new tricks to an old dog. Journal of Neural Engineering, 2018, 15, 056011.	1.8	109
2197	A neural mass model to predict electrical stimulation evoked responses in human and non-human primate brain. Journal of Neural Engineering, 2018, 15, 066012.	1.8	20
2199	Seizure evolution can be characterized as path through synaptic gain space of a neural mass model. European Journal of Neuroscience, 2018, 48, 3097-3112.	1.2	3
2200	Disrupted interactions among the hippocampal, dorsal attention, and centralâ€executive networks in amnestic mild cognitive impairment. Human Brain Mapping, 2018, 39, 4987-4997.	1.9	24
2201	Calcium imaging and dynamic causal modelling reveal brain-wide changes in effective connectivity and synaptic dynamics during epileptic seizures. PLoS Computational Biology, 2018, 14, e1006375.	1.5	57
2202	Left frontotemporal effective connectivity during semantic feature judgments in patients with chronic aphasia and age-matched healthy controls. Cortex, 2018, 108, 173-192.	1.1	21

#	Article	IF	CITATIONS
2203	MACS – a new SPM toolbox for model assessment, comparison and selection. Journal of Neuroscience Methods, 2018, 306, 19-31.	1.3	41
2204	A generative model of whole-brain effective connectivity. NeuroImage, 2018, 179, 505-529.	2.1	83
2205	Mutual connectivity analysis of resting-state functional MRI data with local models. NeuroImage, 2018, 178, 210-223.	2.1	18
2206	Generalized Recurrent Neural Network accommodating Dynamic Causal Modeling for functional MRI analysis. NeuroImage, 2018, 178, 385-402.	2.1	15
2207	Extracting orthogonal subject- and condition-specific signatures from fMRI data using whole-brain effective connectivity. NeuroImage, 2018, 178, 238-254.	2.1	41
2208	Testing a longitudinal compensation model in premanifest Huntington's disease. Brain, 2018, 141, 2156-2166.	3.7	33
2209	A New Algorithm for Solving Hemodynamic Models in fMRI under Low Frequency Interference. Procedia Computer Science, 2018, 131, 485-494.	1.2	3
2210	A validation of dynamic causal modelling for 7T fMRI. Journal of Neuroscience Methods, 2018, 305, 36-45.	1.3	18
2211	Magnetic Resonance Imaging in Huntington's Disease. Methods in Molecular Biology, 2018, 1780, 303-328.	0.4	2
2212	Quantitative Testing of fMRI-Compatibility of an Electrically Active Mechatronic Device for Robot-Assisted Sensorimotor Protocols. IEEE Transactions on Biomedical Engineering, 2018, 65, 1595-1606.	2.5	11
2213	Aging modulates fronto-temporal cortical interactions during lexical production. A dynamic causal modeling study. Brain and Language, 2018, 184, 11-19.	0.8	13
2214	Variational Bayesian inversion for hierarchical unsupervised generative embedding (HUGE). NeuroImage, 2018, 179, 604-619.	2.1	12
2215	Inferring multi-scale neural mechanisms with brain network modelling. ELife, 2018, 7, .	2.8	137
2216	The frontoâ€insular cortex causally mediates the defaultâ€mode and centralâ€executive networks to contribute to individual cognitive performance in healthy elderly. Human Brain Mapping, 2018, 39, 4302-4311.	1.9	29
2217	Modelling brain activations and connectivity of pain modulated by having a loved one nearby. AIP Conference Proceedings, 2018, , .	0.3	0
2218	The role of inferior frontal junction in controlling the spatially global effect of feature-based attention in human visual areas. PLoS Biology, 2018, 16, e2005399.	2.6	31
2219	Hippocampal-Temporopolar Connectivity Contributes to Episodic Simulation During Social Cognition. Scientific Reports, 2018, 8, 9409.	1.6	14
2221	A brain network model for depression: From symptom understanding to disease intervention. CNS Neuroscience and Therapeutics, 2018, 24, 1004-1019.	1.9	184

#	Article	IF	CITATIONS
2222	Acute Effects of Glucose and Fructose Administration on the Neural Correlates of Cognitive Functioning in Healthy Subjects: A Pilot Study. Frontiers in Psychiatry, 2018, 9, 71.	1.3	8
2223	Altered Resting State Effective Connectivity of Anterior Insula in Depression. Frontiers in Psychiatry, 2018, 9, 83.	1.3	65
2224	Robust Estimation of Brain Functional Connectivity from Functional Magnetic Resonance Imaging Using Power, Cross-Correlation and Cross-Coherence. Advances in Intelligent Systems and Computing, 2018, , 403-414.	0.5	1
2225	Neural circuits for long-range color filling-in. NeuroImage, 2018, 181, 30-43.	2.1	11
2226	Causality, dynamical systems and the arrow of time. Chaos, 2018, 28, 075307.	1.0	56
2227	Biophysical Modeling of Large-Scale Brain Dynamics and Applications for ComputationalÂPsychiatry. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 777-787.	1.1	35
2228	Spectral signatures of neurodegenerative diseases: how to decipher them?. Brain, 2018, 141, 2241-2244.	3.7	4
2229	Directional brain networks underlying OM chanting. Asian Journal of Psychiatry, 2018, 37, 20-25.	0.9	16
2230	Top-Down Disconnectivity in Schizophrenia During P300 Tasks. Frontiers in Computational Neuroscience, 2018, 12, 33.	1.2	17
2231	Classification-Based Prediction of Effective Connectivity Between Timeseries With a Realistic Cortical Network Model. Frontiers in Computational Neuroscience, 2018, 12, 38.	1.2	0
2232	Perspectives on How Human Simultaneous Multi-Modal Imaging Adds Directionality to Spread Models of Alzheimer's Disease. Frontiers in Neurology, 2018, 9, 26.	1.1	4
2233	Neuropsychodynamic Approach to Depression: Integrating Resting State Dysfunctions of the Brain and Disturbed Self-Related Processes. Frontiers in Human Neuroscience, 2018, 12, 247.	1.0	9
2234	Commentary: Transcranial Magnetic Stimulation over Left Inferior Frontal and Posterior Temporal Cortex Disrupts Gesture-Speech Integration. Frontiers in Human Neuroscience, 2018, 12, 256.	1.0	0
2235	Training for Micrographia Alters Neural Connectivity in Parkinson's Disease. Frontiers in Neuroscience, 2018, 12, 3.	1.4	16
2236	The Neural Correlates of Grasping in Left-Handers: When Handedness Does Not Matter. Frontiers in Neuroscience, 2018, 12, 192.	1.4	8
2237	Sparse Estimation of Resting-State Effective Connectivity From fMRI Cross-Spectra. Frontiers in Neuroscience, 2018, 12, 287.	1.4	5
2238	Source Reconstruction of Brain Potentials Using Bayesian Model Averaging to Analyze Face Intra-Domain vs. Face-Occupation Cross-Domain Processing. Frontiers in Integrative Neuroscience, 2018, 12, 12.	1.0	6
2239	Reorganization of cortical oscillatory dynamics underlying disinhibition in frontotemporal dementia. Brain, 2018, 141, 2486-2499.	3.7	64

		CITATION REPORT		
#	Article		IF	CITATIONS
2240	Transient and equilibrium causal effects in coupled oscillators. Chaos, 2018, 28, 07530	13.	1.0	9
2241	The connectivity signature of co-speech gesture integration: The superior temporal sub- connectivity between areas related to visual gesture and auditory speech processing. N 2018, 181, 539-549.		2.1	15
2242	Cervical dystonia: Normal auditory mismatch negativity and abnormal somatosensory negativity. Clinical Neurophysiology, 2018, 129, 1947-1954.	nismatch	0.7	4
2243	Phase-lags in large scale brain synchronization: Methodological considerations and in-s PLoS Computational Biology, 2018, 14, e1006160.	ilico analysis.	1.5	62
2244	Using SPM 12's Second-Level Bayesian Inference Procedure for fMRI Analysis: Pract End Users. Frontiers in Neuroinformatics, 2018, 12, 1.	ical Guidelines for	1.3	90
2245	Decomposing Gratitude: Representation and Integration of Cognitive Antecedents of G Brain. Journal of Neuroscience, 2018, 38, 4886-4898.	Gratitude in the	1.7	30
2246	Novelty modulates human striatal activation and prefrontal–striatal effective connec working memory encoding. Brain Structure and Function, 2018, 223, 3121-3132.	tivity during.	1.2	16
2247	Brain connectivity changes when comparing effects of subthalamic deep brain stimulat levodopa treatment in Parkinson's disease. NeuroImage: Clinical, 2018, 19, 1025-1035		1.4	43
2248	Generic dynamic causal modelling: An illustrative application to Parkinson's disease. Ne 181, 818-830.	urolmage, 2018,	2.1	41
2249	Large-scale dynamic modeling of task-fMRI signals via subspace system identification. J Neural Engineering, 2018, 15, 066016.	ournal of	1.8	16
2250	Comparing brain connectivity metrics: a didactic tutorial with a toy model and experim Journal of Neural Engineering, 2018, 15, 056031.	ental data.	1.8	10
2251	Is the Cushing mechanism a dynamic blood pressure-stabilizing system? Insights from a causality analysis of spontaneous blood pressure and cerebral blood flow. American Jou Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R484-R49.	urnal of	0.9	17
2252	Variability and reliability of effective connectivity within the core default mode network longitudinal spectral DCM study. NeuroImage, 2018, 183, 757-768.	:: A multi-site	2.1	51
2253	Causal influences between spontaneous fluctuations in resting state fMRI of central ar eccentricity representations in the human visual cortex. Physica A: Statistical Mechanic Applications, 2018, 512, 756-762.		1.2	0
2254	Functional near-infrared spectroscopy for monitoring macaque cerebral motor activity voluntary movements without head fixation. Scientific Reports, 2018, 8, 11941.	during	1.6	6
2255	Sustained versus instantaneous connectivity differentiates cognitive functions of proce and episodic memory. Human Brain Mapping, 2018, 39, 4949-4961.	essing speed	1.9	6
2256	Separate Neural Networks for Gains and Losses in Intertemporal Choice. Neuroscience 34, 725-735.	Bulletin, 2018,	1.5	19
2257	Unravelling the brain networks driving spikeâ€wave discharges in genetic generalized e patterns and individual differences. Epilepsia Open, 2018, 3, 485-494.	pilepsy—common	1.3	11

#	Article	IF	CITATIONS
2258	Organization of the Brain Systems of Aim-Directed Behavior: New Data. Human Physiology, 2018, 44, 488-492.	0.1	2
2259	Solved problems for Granger causality in neuroscience: A response to Stokes and Purdon. NeuroImage, 2018, 178, 744-748.	2.1	51
2260	Fronto-striatal effective connectivity of working memory in adults with cannabis use disorder. Psychiatry Research - Neuroimaging, 2018, 278, 21-34.	0.9	22
2261	The Neuroimaging of Stroke: Structural and Functional Advances. Contemporary Clinical Neuroscience, 2018, , 81-91.	0.3	0
2262	A biophysical model of dynamic balancing of excitation and inhibition in fast oscillatory large-scale networks. PLoS Computational Biology, 2018, 14, e1006007.	1.5	73
2263	Decision-making in schizophrenia: A predictive-coding perspective. NeuroImage, 2019, 190, 133-143.	2.1	58
2264	Network Inference and Reconstruction in Bioinformatics. , 2019, , 805-813.		38
2265	Computational Methods for Analyzing Functional and Effective Brain Network Connectivity Using fMRI. Advances in Intelligent Systems and Computing, 2019, , 101-112.	0.5	1
2266	Reappraisal of Interpersonal Criticism in Social Anxiety Disorder: A Brain Network Hierarchy Perspective. Cerebral Cortex, 2019, 29, 3154-3167.	1.6	10
2267	Selective Prefrontal Disinhibition in a Roving Auditory Oddball Paradigm Under N-Methyl-D-Aspartate Receptor Blockade. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 140-150.	1.1	31
2268	Estimating feedforward and feedback effective connections from fMRI time series: Assessments of statistical methods. Network Neuroscience, 2019, 3, 274-306.	1.4	44
2269	Disentangling causal webs in the brain using functional magnetic resonance imaging: A review of current approaches. Network Neuroscience, 2019, 3, 237-273.	1.4	46
2270	Voluntary tic suppression and the normalization of motor cortical beta power in Gilles de la Tourette syndrome: an <scp>EEG</scp> study. European Journal of Neuroscience, 2019, 50, 3944-3957.	1.2	17
2271	Evaluating the Utility of EPIK in a Finger Tapping fMRI Experiment using BOLD Detection and Effective Connectivity. Scientific Reports, 2019, 9, 10978.	1.6	9
2272	The Roles of Statistics in Human Neuroscience. Brain Sciences, 2019, 9, 194.	1.1	3
2273	Transdiagnostic variations in impulsivity and compulsivity in obsessive-compulsive disorder and gambling disorder correlate with effective connectivity in cortical-striatal-thalamic-cortical circuits. NeuroImage, 2019, 202, 116070.	2.1	40
2274	Resting-state neural activity and connectivity associated with subjective happiness. Scientific Reports, 2019, 9, 12098.	1.6	24
2275	Biophysical Psychiatry—How Computational Neuroscience Can Help to Understand the Complex Mechanisms of Mental Disorders. Frontiers in Psychiatry, 2019, 10, 534.	1.3	19

#	Article	IF	CITATIONS
2276	Functional and Anatomical Connectivity of the Brain in Poststroke Aphasia. Neuroscience and Behavioral Physiology, 2019, 49, 679-685.	0.2	1
2277	Data-driven models in human neuroscience and neuroengineering. Current Opinion in Neurobiology, 2019, 58, 21-29.	2.0	25
2278	Prefrontal cortex in the driving seat of epileptic networks in Lennox-Gastaut syndrome. Neurology, 2019, 93, 91-92.	1.5	1
2279	Audio–visual and olfactory–visual integration in healthy participants and subjects with autism spectrum disorder. Human Brain Mapping, 2019, 40, 4470-4486.	1.9	21
2280	Dynamic causal modeling for calcium imaging: Exploration of differential effective connectivity for sensory processing in a barrel cortical column. NeuroImage, 2019, 201, 116008.	2.1	4
2281	White matter information flow mapping from diffusion MRI and EEG. NeuroImage, 2019, 201, 116017.	2.1	27
2282	Dopaminergic modulation of motor network compensatory mechanisms in Parkinson's disease. Human Brain Mapping, 2019, 40, 4397-4416.	1.9	4
2283	Functional connectivity of brain associated with passive range of motion exercise: Proprioceptive input promoting motor activation?. NeuroImage, 2019, 202, 116023.	2.1	15
2284	A lesion and connectivity-based hierarchical model of chronic aphasia recovery dissociates patients and healthy controls. NeuroImage: Clinical, 2019, 23, 101919.	1.4	19
2285	Quantitative relations between transient BOLD responses, cortical energetics, and impulse firing in different cortical regions. Journal of Neurophysiology, 2019, 122, 1226-1237.	0.9	3
2286	Novel relative relevance score for estimating brain connectivity from fMRI data using an explainable neural network approach. Journal of Neuroscience Methods, 2019, 326, 108371.	1.3	2
2287	Common Neural Network for Different Functions: An Investigation of Proactive and Reactive Inhibition. Frontiers in Behavioral Neuroscience, 2019, 13, 124.	1.0	27
2288	The effects of trauma on brain and body: A unifying role for the midbrain periaqueductal gray. Journal of Neuroscience Research, 2019, 97, 1110-1140.	1.3	49
2289	Methods for analysis of brain connectivity: An IFCN-sponsored review. Clinical Neurophysiology, 2019, 130, 1833-1858.	0.7	106
2290	The epileptic network of Lennox-Gastaut syndrome. Neurology, 2019, 93, e215-e226.	1.5	46
2291	Decoupling of brain function from structure reveals regional behavioral specialization in humans. Nature Communications, 2019, 10, 4747.	5.8	163
2292	Advancing functional connectivity research from association to causation. Nature Neuroscience, 2019, 22, 1751-1760.	7.1	215
2293	A toolbox for dynamic causal modeling simulations of multimodal electrophysiological data. IBRO Reports, 2019, 6, S152.	0.3	0

#	ARTICLE

IF CITATIONS

2294 EEG Signal Processing and Feature Extraction. , 2019, , .

89

2295	Emergent Reading and Brain Development. , 0, , .		1
2296	ADHD symptoms map onto noise-driven structure–function decoupling between hub and peripheral brain regions. Molecular Psychiatry, 2021, 26, 4036-4045.	4.1	19
2297	Meta-analysis of reward processing in major depressive disorder reveals distinct abnormalities within the reward circuit. Translational Psychiatry, 2019, 9, 293.	2.4	124
2298	Atypical Amygdala–Neocortex Interaction During Dynamic Facial Expression Processing in Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2019, 13, 351.	1.0	11
2299	Structure learning in coupled dynamical systems and dynamic causal modelling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190048.	1.6	17
2300	Coupling functions: dynamical interaction mechanisms in the physical, biological and social sciences. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190039.	1.6	17
2301	Ventromedial prefrontal cortex contributes to performance success by controlling reward-driven arousal representation in amygdala. NeuroImage, 2019, 202, 116136.	2.1	13
2302	Hierarchical and Nonlinear Dynamics in Prefrontal Cortex Regulate the Precision of Perceptual Beliefs. Frontiers in Neural Circuits, 2019, 13, 27.	1.4	0
2303	Moral contagion: Devaluation effect of immorality on hypothetical judgments of economic value. Human Brain Mapping, 2019, 40, 2076-2088.	1.9	5
2304	Initial Evidence for Brain Plasticity Following a Digital Therapeutic Intervention for Depression. Chronic Stress, 2019, 3, 247054701987788.	1.7	2
2305	Power spectrum of resting-state blood-oxygen-level-dependent signal. Physical Review E, 2019, 100, 022418.	0.8	7
2306	Estimation of Task-Evoked Dynamic Effective Connectivity from fMRI in A Visual Target Detection Oddball Experiment. , 2019, , .		0
2307	Cingulo-hippocampal effective connectivity positively correlates with drug-cue attentional bias in opioid use disorder. Psychiatry Research - Neuroimaging, 2019, 294, 110977.	0.9	5
2308	Identifying nonlinear dynamical systems via generative recurrent neural networks with applications to fMRI. PLoS Computational Biology, 2019, 15, e1007263.	1.5	32
2309	Modeling fMRI BOLD signals and temporal mismatches in the cerebellar cortex. CSI Transactions on ICT, 2019, 7, 191-198.	0.7	0
2310	Brain connectivity evaluation during selective attention using EEG-based brain-computer interface. Brain-Computer Interfaces, 2019, 6, 25-35.	0.9	12
2311	Awakening: Predicting external stimulation to force transitions between different brain states. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18088-18097.	3.3	176

#	Article	IF	CITATIONS
2312	Effects of bilingual language experience on basal ganglia computations: A dynamic causal modeling test of the conditional routing model. Brain and Language, 2019, 197, 104665.	0.8	6
2313	Distinct Mechanism of Audiovisual Integration With Informative and Uninformative Sound in a Visual Detection Task: A DCM Study. Frontiers in Computational Neuroscience, 2019, 13, 59.	1.2	7
2314	fMRI in Non-human Primate: A Review on Factors That Can Affect Interpretation and Dynamic Causal Modeling Application. Frontiers in Neuroscience, 2019, 13, 973.	1.4	4
2315	Perceptual awareness and active inference. Neuroscience of Consciousness, 2019, 2019, niz012.	1.4	55
2316	Brain Functional Connectivity Through Phase Coupling of Neuronal Oscillations: A Perspective From Magnetoencephalography. Frontiers in Neuroscience, 2019, 13, 964.	1.4	55
2317	Hippocampal connectivity in the aftermath of acute social stress. Neurobiology of Stress, 2019, 11, 100195.	1.9	19
2318	Fear conditioning and extinction in anxious youth, offspring at-risk for anxiety and healthy comparisons: An fMRI study. Biological Psychology, 2019, 148, 107744.	1.1	15
2319	Nonlinear Structural Vector Autoregressive Models With Application to Directed Brain Networks. IEEE Transactions on Signal Processing, 2019, 67, 5325-5339.	3.2	30
2320	Effective connectivity within the ventromedial prefrontal cortex-hippocampus-amygdala network during the elaboration of emotional autobiographical memories. NeuroImage, 2019, 189, 316-328.	2.1	43
2321	Physical brain connectomics. Physical Review E, 2019, 99, 012421.	0.8	27
2322	Identification of the Pain Process by Cold Stimulation: Using Dynamic Causal Modeling of Effective Connectivity in Functional Near-Infrared Spectroscopy (fNIRS). Irbm, 2019, 40, 86-94.	3.7	8
2323	Overt social interaction and resting state in young adult males with autism: core and contextual neural features. Brain, 2019, 142, 808-822.	3.7	35
2324	Cerebro-Cerebellar Pathways for Verbal Working Memory. Frontiers in Human Neuroscience, 2018, 12, 530.	1.0	4
2325	Dynamic causal modelling of fluctuating connectivity in resting-state EEG. Neurolmage, 2019, 189, 476-484.	2.1	37
2326	Estimating the Memory Order of Electrocorticography Recordings. IEEE Transactions on Biomedical Engineering, 2019, 66, 2809-2822.	2.5	3
2327	Brain songs framework used for discovering the relevant timescale of the human brain. Nature Communications, 2019, 10, 583.	5.8	45
2328	Short Sequence Classification Through Discriminable Linear Dynamical System. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3396-3408.	7.2	7
2329	Electroencephalography-Based Brain Functional Connectivity and Clinical Implications. , 2019, , 61-88.		Ο

		CITATION REPORT		
#	Article		IF	CITATIONS
2330	The role that choice of model plays in predictions for epilepsy surgery. Scientific Reports	s, 2019, 9, 7351.	1.6	16
2331	Advances in techniques for imposing reciprocity in brain-behavior relations. Neuroscienc Biobehavioral Reviews, 2019, 102, 327-336.	e and	2.9	25
2332	Inferring causation from time series in Earth system sciences. Nature Communications, 2	2019, 10, 2553.	5.8	411
2333	Ultra-low Noise EEG at LSBB: Effective Connectivity Analysis. E3S Web of Conferences, 2	2019, 88, 02002.	0.2	0
2334	Action-Dependent Processing of Touch in the Human Parietal Operculum and Posterior I Cerebral Cortex, 2020, 30, 607-617.	Insula.	1.6	21
2335	Hierarchical Bayesian inference for concurrent model fitting and comparison for group s Computational Biology, 2019, 15, e1007043.	tudies. PLoS	1.5	63
2336	Deep brain stimulation has state-dependent effects on motor connectivity in Parkinsonâ Brain, 2019, 142, 2417-2431.	쀙s disease.	3.7	33
2337	The anterior insula channels prefrontal expectancy signals during affective processing. N 2019, 200, 414-424.	leurolmage,	2.1	8
2338	A guide to group effective connectivity analysis, part 1: First level analysis with DCM for NeuroImage, 2019, 200, 174-190.	fMRI.	2.1	242
2339	Modeling anxiety in healthy humans: a key intermediate bridge between basic and clinic Neuropsychopharmacology, 2019, 44, 1999-2010.	al sciences.	2.8	49
2340	Reconsidering Spatial Priors In EEG Source Estimation : Does White Matter Contribute to Rhythms?. , 2019, , .	o EEG		0
2341	A guide to group effective connectivity analysis, part 2: Second level analysis with PEB. N 2019, 200, 12-25.	Neurolmage,	2.1	267
2342	Naturalistic Stimuli in Neuroscience: Critically Acclaimed. Trends in Cognitive Sciences, 2 699-714.	2019, 23,	4.0	322
2343	Increasing robustness of pairwise methods for effective connectivity in magnetic resona by using fractional moment series of BOLD signal distributions. Network Neuroscience, 2 1009-1037.	nce imaging 2019, 3,	1.4	5
2344	Regularized joint estimation of related vector autoregressive models. Computational Sta Data Analysis, 2019, 139, 164-177.	atistics and	0.7	10
2345	Pairwise Interactions among Brain Regions Organize Large-Scale Functional Connectivity Execution of Various Tasks. Neuroscience, 2019, 412, 190-206.	y during	1.1	9
2347	Statistical Preliminary. , 2019, , 1-26.			0
2348	Brain Network Nodes and Edges. , 2019, , 27-60.			2

#	Article	IF	CITATIONS
2350	Correlation Networks. , 2019, , 76-107.		0
2351	Big Brain Network Data. , 2019, , 108-128.		0
2352	Network Simulations. , 2019, , 129-155.		0
2353	Persistent Homology. , 2019, , 156-179.		0
2354	Diffusions on Graphs. , 2019, , 180-206.		0
2355	Sparse Networks. , 2019, , 207-225.		0
2356	Brain Network Distances. , 2019, , 226-245.		0
2357	Combinatorial Inferences for Networks. , 2019, , 246-268.		0
2358	Series Expansion of Connectivity Matrices. , 2019, , 269-291.		0
2359	Dynamic Network Models. , 2019, , 292-301.		0
2362	Dissociating the functions of superior and inferior parts of the left ventral occipito-temporal cortex during visual word and object processing. NeuroImage, 2019, 199, 325-335.	2.1	10
2363	Investigating the Subcortical Route to the Amygdala Across Species and in Disordered Fear Responses. Journal of Experimental Neuroscience, 2019, 13, 117906951984644.	2.3	22
2364	Application of Graph Theory for Identifying Connectivity Patterns in Human Brain Networks: A Systematic Review. Frontiers in Neuroscience, 2019, 13, 585.	1.4	398
2365	Neuroimaging Markers of Risk, Disease Expression, and Resilience to Bipolar Disorder. Current Psychiatry Reports, 2019, 21, 52.	2.1	25
2366	Dynamic Causal Modelling of Active Vision. Journal of Neuroscience, 2019, 39, 6265-6275.	1.7	15
2367	Electrophysiological Brain Connectivity: Theory and Implementation. IEEE Transactions on Biomedical Engineering, 2019, 66, 2115-2137.	2.5	163
2368	Amygdala activation during unconscious visual processing of food. Scientific Reports, 2019, 9, 7277.	1.6	16
2369	Transcranial Direct Current Stimulation Use in Warfighting: Benefits, Risks, and Future Prospects. Frontiers in Human Neuroscience, 2019, 13, 114.	1.0	16

#	Article	IF	CITATIONS
2370	Born for fairness: evidence of genetic contribution to a neural basis of fairness intuition. Social Cognitive and Affective Neuroscience, 2019, 14, 539-548.	1.5	4
2371	A self-organized recurrent neural network for estimating the effective connectivity and its application to EEG data. Computers in Biology and Medicine, 2019, 110, 93-107.	3.9	22
2372	Huntington's disease: Brain imaging in Huntington's disease. Progress in Molecular Biology and Translational Science, 2019, 165, 321-369.	0.9	20
2373	Models of persecutory delusions: a mechanistic insight into the early stages of psychosis. Molecular Psychiatry, 2019, 24, 1258-1267.	4.1	21
2374	Computing Social Value Conversion in the Human Brain. Journal of Neuroscience, 2019, 39, 5153-5172.	1.7	23
2375	White Matter Microstructure Reflects Individual Differences in Music Reward Sensitivity. Journal of Neuroscience, 2019, 39, 5018-5027.	1.7	57
2376	Determination of effective brain connectivity from activity correlations. Physical Review E, 2019, 99, 042404.	0.8	6
2377	A functional Magnetic Resonance Imaging study of patients with Polar Type II/III complex shoulder instability. Scientific Reports, 2019, 9, 6271.	1.6	8
2378	Cortisol-related hippocampal-extrastriate functional connectivity explains the adverse effect of cortisol on visuospatial retrieval. Psychoneuroendocrinology, 2019, 109, 104310.	1.3	12
2379	The Neural Dynamics of Novel Scene Imagery. Journal of Neuroscience, 2019, 39, 4375-4386.	1.7	74
2380	Dynamic Causal Modeling of the Relationship between Cognition and Theta–alpha Oscillations in Adults with Down Syndrome. Cerebral Cortex, 2019, 29, 2279-2290.	1.6	20
2381	Relationship Between Granger Noncausality and Network Graph of State-Space Representations. IEEE Transactions on Automatic Control, 2019, 64, 912-927.	3.6	10
2382	The role of the precuneus and posterior cingulate cortex in the neural routes to action. Computer Assisted Surgery, 2019, , 1-8.	0.6	1
2383	Optimizing Data for Modeling Neuronal Responses. Frontiers in Neuroscience, 2018, 12, 986.	1.4	11
2384	Neural Underpinnings of Financial Decision Bias in Older Adults: Putative Theoretical Models and a Way to Reconcile Them. Frontiers in Neuroscience, 2019, 13, 184.	1.4	8
2385	Neural mechanisms of vibrotactile categorization. Human Brain Mapping, 2019, 40, 3078-3090.	1.9	11
2386	Diagnosis of Brain Diseases via Multi-Scale Time-Series Model. Frontiers in Neuroscience, 2019, 13, 197.	1.4	5
2387	Restingâ€state fMRI effective connectivity between the bed nucleus of the stria terminalis and amygdala nuclei. Human Brain Mapping, 2019, 40, 2723-2735.	1.9	16

#	Article	IF	CITATIONS
2388	Emergence of cognitive priming and structure building from the hierarchical interaction of canonical microcircuit models. Biological Cybernetics, 2019, 113, 273-291.	0.6	4
2389	Shared Neural Mechanisms of Visual Perception and Imagery. Trends in Cognitive Sciences, 2019, 23, 423-434.	4.0	161
2390	Spatial Patterns of Brain Activity Preferentially Reflecting Transient Pain and Stimulus Intensity. Cerebral Cortex, 2019, 29, 2211-2227.	1.6	43
2391	Mismatch negativity (MMN) as a tool for translational investigations into early psychosis: A review. International Journal of Psychophysiology, 2019, 145, 5-14.	0.5	57
2392	Thalamocortical dynamics underlying spontaneous transitions in beta power in Parkinsonism. Neurolmage, 2019, 193, 103-114.	2.1	21
2393	Possible links between the lag structure in visual cortex and visual streams using fMRI. Scientific Reports, 2019, 9, 4283.	1.6	10
2394	Explaining event-related fields by a mechanistic model encapsulating the anatomical structure of auditory cortex. Biological Cybernetics, 2019, 113, 321-345.	0.6	10
2395	Early Identification and Intervention of Schizophrenia: Insight From Hypotheses of Glutamate Dysfunction and Oxidative Stress. Frontiers in Psychiatry, 2019, 10, 93.	1.3	51
2396	Alterations in Maternal–Fetal Heart Rate Coupling Strength and Directions in Abnormal Fetuses. Frontiers in Physiology, 2019, 10, 482.	1.3	11
2397	Brain networks and their relevance for stroke rehabilitation. Clinical Neurophysiology, 2019, 130, 1098-1124.	0.7	129
2398	Ventral attention-network effective connectivity predicts individual differences in adolescent depression. Journal of Affective Disorders, 2019, 252, 55-59.	2.0	22
2399	Effective connectivity of mental fatigue: Dynamic causal modeling of EEG data. Technology and Health Care, 2019, 27, 343-352.	0.5	5
2400	Alan Cowey. 28 April 1935—19 December 2012. Biographical Memoirs of Fellows of the Royal Society, 2019, 66, 101-122.	0.1	0
2401	Deep Brain Stimulation Programming 2.0: Future Perspectives for Target Identification and Adaptive Closed Loop Stimulation. Frontiers in Neurology, 2019, 10, 314.	1.1	56
2402	Using resting-state DMN effective connectivity to characterize the neurofunctional architecture of empathy. Scientific Reports, 2019, 9, 2603.	1.6	26
2403	Individuals with 22q11.2 deletion syndrome show intact prediction but reduced adaptation in responses to repeated sounds: Evidence from Bayesian mapping. NeuroImage: Clinical, 2019, 22, 101721.	1.4	6
2404	Hierarchical Heterogeneity across Human Cortex Shapes Large-Scale Neural Dynamics. Neuron, 2019, 101, 1181-1194.e13.	3.8	271
2405	A unified approach for sparse dynamical system inference from temporal measurements. Bioinformatics, 2019, 35, 3387-3396.	1.8	17

#	ARTICLE What Can Computational Models Contribute to Neuroimaging Data Analytics?. Frontiers in Systems	IF	CITATIONS
2406	Neuroscience, 2018, 12, 68.	1.2	23
2407	Time-delay model of perceptual decision making in cortical networks. PLoS ONE, 2019, 14, e0211885.	1.1	10
2408	Reconstruction of effective connectivity in the case of asymmetric phase distributions. Journal of Neuroscience Methods, 2019, 317, 94-107.	1.3	7
2409	Neural Connectivity in Syntactic Movement Processing. Frontiers in Human Neuroscience, 2019, 13, 27.	1.0	15
2410	An update on EEG in migraine. Expert Review of Neurotherapeutics, 2019, 19, 729-737.	1.4	20
2411	Dynamic network coding of working-memory domains and working-memory processes. Nature Communications, 2019, 10, 936.	5.8	43
2412	Discordant attributes of structural and functional brain connectivity in a two-layer multiplex network. Scientific Reports, 2019, 9, 2885.	1.6	37
2413	Goal-Directed Processing of Naturalistic Stimuli Modulates Large-Scale Functional Connectivity. Frontiers in Neuroscience, 2019, 12, 1003.	1.4	7
2414	Evaluating the organizational structure and specificity of network topology within the face processing system. Human Brain Mapping, 2019, 40, 2581-2595.	1.9	27
2415	A Functional Data Method for Causal Dynamic Network Modeling of Task-Related fMRI. Frontiers in Neuroscience, 2019, 13, 127.	1.4	9
2416	Personalized Psychiatry. , 2019, , .		16
2417	Emerging Shifts in Neuroimaging Data Analysis in the Era of "Big Dataâ€, , 2019, , 99-118.		2
2418	Automated epileptic seizure detection based on break of excitation/inhibition balance. Computers in Biology and Medicine, 2019, 107, 30-38.	3.9	11
2419	A Bayesian Model for Activation and Connectivity in Task-related fMRI Data. Advances in Econometrics, 2019, , 91-132.	0.2	2
2420	Volatility Spillover Between Indian and MINT Stock Exchanges: Portfolio Diversification Implication. Indian Economic Journal, 2019, 67, 299-311.	0.3	5
2421	Investigating Time-Varying Brain Connectivity with Functional Magnetic Resonance Imaging using Sequential Monte Carlo. , 2019, , .		2
2422	Ant Colony Clustering for ROI Identification in Functional Magnetic Resonance Imaging. Computational Intelligence and Neuroscience, 2019, 2019, 1-9.	1.1	2
2423	On Model-guided Neural Networks for System Identification. , 2019, , .		4

#	Article	IF	CITATIONS
2424	A Study of the Midbrain Network for Covert Attentional Orienting in Cervical Dystonia Patients using Dynamic Causal Modelling. , 2019, 2019, 3519-3522.		3
2425	Generating Nonlinear Models of Functional Connectivity from Functional Magnetic Resonance Imaging Data with Genetic Programming. , 2019, , .		1
2426	Mapping epileptic directional brain networks using intracranial EEG data. Biostatistics, 2021, 22, 613-628.	0.9	3
2427	Learning stable and predictive structures in kinetic systems. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25405-25411.	3.3	20
2428	Inferring correlations associated to causal interactions in brain signals using autoregressive models. Scientific Reports, 2019, 9, 17041.	1.6	2
2429	Integrating machine learning and multiscale modeling—perspectives, challenges, and opportunities in the biological, biomedical, and behavioral sciences. Npj Digital Medicine, 2019, 2, 115.	5.7	319
2430	There's no such thing as a â€~true' model: the challenge of assessing face validity*. , 2019, , .		8
2431	Applications of dynamic functional connectivity to pain and its modulation. Pain Reports, 2019, 4, e752.	1.4	22
2432	Educational fMRI: From the Lab to the Classroom. Frontiers in Psychology, 2019, 10, 2769.	1.1	5
2433	PyRates—A Python framework for rate-based neural simulations. PLoS ONE, 2019, 14, e0225900.	1.1	11
2434	Organization of Frontostriate Interactions with the Involvement of the Brain Error Detector in Supporting Deceptive and Honest Manipulative Actions. Neuroscience and Behavioral Physiology, 2019, 49, 954-961.	0.2	0
2435	Gustatory pathway in humans: A review of models of taste perception and their potential lateralization. Journal of Neuroscience Research, 2019, 97, 230-240.	1.3	18
2436	Common and distinct neural substrates of the money illusion in win and loss domains. NeuroImage, 2019, 184, 109-118.	2.1	3
2437	Data-driven tensor independent component analysis for model-based connectivity neurofeedback. NeuroImage, 2019, 184, 214-226.	2.1	9
2438	Getting to grips with endoscopy - Learning endoscopic surgical skills induces bi-hemispheric plasticity of the grasping network. Neurolmage, 2019, 189, 32-44.	2.1	15
2439	Brain networks for engaging oneself in positive-social emotion regulation. NeuroImage, 2019, 189, 106-115.	2.1	28
2440	Effective Connectivity Within the Default Mode Network in Left Temporal Lobe Epilepsy: Findings from the Epilepsy Connectome Project. Brain Connectivity, 2019, 9, 174-183.	0.8	29
2441	Assessing recurrent interactions in cortical networks: Modeling EEG response to transcranial magnetic stimulation. Journal of Neuroscience Methods, 2019, 312, 93-104.	1.3	8

#	Article	IF	CITATIONS
2442	Social decisionâ€making in the brain: Inputâ€stateâ€output modelling reveals patterns of effective connectivity underlying reciprocal choices. Human Brain Mapping, 2019, 40, 699-712.	1.9	10
2443	Universal neural basis of structure building evidenced by network modulations emerging from Broca's area: The case of Chinese. Human Brain Mapping, 2019, 40, 1705-1717.	1.9	26
2444	Support vector machine classification of brain states exposed to social stress test using EEG-based brain network measures. Biocybernetics and Biomedical Engineering, 2019, 39, 199-213.	3.3	34
2445	Inversion of a large-scale circuit model reveals a cortical hierarchy in the dynamic resting human brain. Science Advances, 2019, 5, eaat7854.	4.7	192
2446	Copula directional dependence for inference and statistical analysis of wholeâ€brain connectivity from <scp>fMRI</scp> data. Brain and Behavior, 2019, 9, e01191.	1.0	7
2447	Functional Brain Network Estimation With Time Series Self-Scrubbing. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2494-2504.	3.9	34
2448	Dynamic Causal Modeling of Insular, Striatal, and Prefrontal Cortex Activities During a Food-Specific Go/NoGo Task. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 1080-1089.	1.1	32
2449	The role of the precuneus and posterior cingulate cortex in the neural routes to action. Computer Assisted Surgery, 2019, 24, 113-120.	0.6	10
2450	Concepts dissolve artificial boundaries in the study of emotion and cognition, uniting body, brain, and mind. Cognition and Emotion, 2019, 33, 67-76.	1.2	50
2451	Dynamic causal modeling of the effective connectivity between the cerebrum and cerebellum in social mentalizing across five studies. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 211-223.	1.0	63
2452	Neural Dynamics of Reward-Induced Response Activation and Inhibition. Cerebral Cortex, 2019, 29, 3961-3976.	1.6	14
2453	Linking structural and effective brain connectivity: structurally informed Parametric Empirical Bayes (si-PEB). Brain Structure and Function, 2019, 224, 205-217.	1.2	36
2454	Dynamic properties of simulated brain network models and empirical resting-state data. Network Neuroscience, 2019, 3, 405-426.	1.4	14
2455	Functional Brain Connectivity Revealed by Sparse Coding of Large-Scale Local Field Potential Dynamics. Brain Topography, 2019, 32, 255-270.	0.8	6
2456	Mapping Internet gaming disorder using effective connectivity: A spectral dynamic causal modeling study. Addictive Behaviors, 2019, 90, 62-70.	1.7	20
2457	Brain Network Reconfiguration During Motor Imagery Revealed by a Large-Scale Network Analysis of Scalp EEG. Brain Topography, 2019, 32, 304-314.	0.8	31
2458	Fast and scalable distributed deep convolutional autoencoder for fMRI big data analytics. Neurocomputing, 2019, 325, 20-30.	3.5	27
2459	Neural substrates of word category information as the basis of syntactic processing. Human Brain Mapping, 2019, 40, 451-464.	1.9	11

ARTICLE IF CITATIONS # Brain functional and effective connectivity underlying the information processing speed assessed by 2460 2.1 43 the Symbol Digit Modalities Test. Neurolmage, 2019, 184, 761-770. On the pros and cons of using temporal derivatives to assess brain functional connectivity. 2461 2.1 Neurolmage, 2019, 184, 577-585. An Overview of Functional Magnetic Resonance Imaging Techniques for Organizational Research. 2462 5.6 15 Organizational Research Methods, 2019, 22, 17-45. Hierarchical Brain Network for Face and Voice Integration of Emotion Expression. Cerebral Cortex, 2463 2019, 29, 3590-3605. Connectomics of bipolar disorder: a critical review, and evidence for dynamic instabilities within 2464 4.1 91 interoceptive networks. Molecular Psychiatry, 2019, 24, 1296-1318. Altered Functional Connectivity of Alpha Rhythm in Obsessive-Compulsive Disorder During Rest. Clinical EEG and Neuroscience, 2019, 50, 88-99. 2465 Laminar fMRI and computational theories of brain function. NeuroImage, 2019, 197, 699-706. 2466 2.1 54 Dynamic Causal Modeling and machine learning for effective connectivity in Auditory Hallucination. Neurocomputing, 2019, 326-327, 61-68. 2467 3.5 Cortical layers, rhythms and BOLD signals. NeuroImage, 2019, 197, 689-698. 2.1 2468 74 Estimating Directed Connectivity from Cortical Recordings and Reconstructed Sources. Brain 2469 0.8 24 Topography, 2019, 32, 741-752. Selective neural sensitivity to familial threat in adolescents with weak family bonds. Social 2470 0.7 0 Neuroscience, 2019, 14, 80-89. Critical Comments on EEG Sensor Space Dynamical Connectivity Analysis. Brain Topography, 2019, 32, 0.8 114 643-654. Dynamic causal modelling revisited. NeuroImage, 2019, 199, 730-744. 2472 2.1 196 Computational Nosology and Precision Psychiatry. Computational Psychiatry, 2020, 1, 2. 2473 1.1 Co-registration of eye movements and neuroimaging for studying contextual predictions in natural 2474 0.7 17 reading. Language, Cognition and Neuroscience, 2020, 35, 595-612. Revealing the multisensory modulation of auditory stimulus in degraded visual object recognition by 2475 1.1 dynamic causal modeling. Brain Imaging and Behavior, 2020, 14, 1187-1198. An illustrative application of generalized structured component analysis for brain connectivity 2476 0.9 1 research. Behaviormetrika, 2020, 47, 273-289. Seeing the Unexpected: How Brains Read Communicative Intent through Kinematics. Cerebral Cortex, 2477 1.6 2020, 30, 1056-1067.

#	Article	IF	CITATIONS
2478	Neural correlates of enhanced response inhibition in the aftermath of stress. NeuroImage, 2020, 204, 116212.	2.1	18
2479	Cardiorespiratory fitness predicts effective connectivity between the hippocampus and default mode network nodes in young adults. Hippocampus, 2020, 30, 526-541.	0.9	12
2480	Artificial intelligence - When do machines take over?. Technik Im Fokus, 2020, , .	0.2	10
2481	State Estimation of Hemodynamic Model for fMRI Under Confounds: SSM Method. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 804-814.	3.9	1
2482	Altered Effective Connectivity of Central Autonomic Network in Response to Negative Facial Expression in Adults With Cannabis Use Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2020, 5, 84-96.	1.1	8
2483	Neural correlates of motor expertise: Extensive motor training and cortical changes. Brain Research, 2020, 1739, 146323.	1.1	15
2484	Sex Differences in Functional Brain Networks for Language. Cerebral Cortex, 2020, 30, 1528-1537.	1.6	26
2485	The interaction between OXTR rs2268493 and perceived maternal care is associated with amygdala–dorsolateral prefrontal effective connectivity during explicit emotion processing. European Archives of Psychiatry and Clinical Neuroscience, 2020, 270, 553-565.	1.8	9
2486	Topâ€down versus bottomâ€up attention differentially modulate frontal–parietal connectivity. Human Brain Mapping, 2020, 41, 928-942.	1.9	40
2487	Connectivity between the cerebrum and cerebellum during social and non-social sequencing using dynamic causal modelling. NeuroImage, 2020, 206, 116326.	2.1	51
2488	Attentional Modulation of Vision Versus Proprioception During Action. Cerebral Cortex, 2020, 30, 1637-1648.	1.6	40
2489	The neurophysiological basis of compassion: An fMRI meta-analysis of compassion and its related neural processes. Neuroscience and Biobehavioral Reviews, 2020, 108, 112-123.	2.9	59
2490	Neural correlates of rumination in major depressive disorder: A brain network analysis. NeuroImage: Clinical, 2020, 25, 102142.	1.4	62
2491	Dynamic Causal Modelling suggests impaired effective connectivity in patients with schizophrenia spectrum disorders during gesture-speech integration. Schizophrenia Research, 2020, 216, 175-183.	1.1	19
2492	Hybrid modeling of alpha rhythm and the amplitude of lowâ€frequency fluctuations abnormalities in the thalamocortical region and basal ganglia in Alzheimer's disease. European Journal of Neuroscience, 2020, 52, 2944-2961.	1.2	12
2493	Decreased directed functional connectivity in the psychedelic state. NeuroImage, 2020, 209, 116462.	2.1	49
2494	Largeâ€scale dynamic causal modeling of major depressive disorder based on restingâ€state functional magnetic resonance imaging. Human Brain Mapping, 2020, 41, 865-881.	1.9	52
2495	A dynamical model of the laminar BOLD response. NeuroImage, 2020, 204, 116209.	2.1	78

		CITATION RE	PORT	
#	Article		IF	CITATIONS
2496	Effective connectivity modulations related to win and loss outcomes. NeuroImage, 2020	0, 207, 116369.	2.1	5
2497	Aging-related differences in the cortical network subserving intelligible speech. Brain an 2020, 201, 104713.	d Language,	0.8	6
2498	Dynamic causal modelling of phase-amplitude interactions. NeuroImage, 2020, 208, 11	6452.	2.1	8
2499	Granger causality-based information fusion applied to electrical measurements from por transformers. Information Fusion, 2020, 57, 59-70.	wer	11.7	9
2500	The effect of global signal regression on DCM estimates of noise and effective connective resting state fMRI. Neurolmage, 2020, 208, 116435.	vity from	2.1	14
2501	Dynamic effective connectivity. NeuroImage, 2020, 207, 116453.		2.1	48
2502	Sparse DCM for whole-brain effective connectivity from resting-state fMRI data. Neurolr 208, 116367.	nage, 2020,	2.1	35
2503	Intrinsic connectome organization across temporal scales: New insights from cross-moc approaches. Network Neuroscience, 2020, 4, 1-29.	lal	1.4	45
2504	Bayesian inference of a directional brain network model for intracranial EEG data. Comp Statistics and Data Analysis, 2020, 144, 106847.	utational	0.7	1
2505	Model-based whole-brain effective connectivity to study distributed cognition in health Network Neuroscience, 2020, 4, 338-373.	and disease.	1.4	40
2506	Network Neuroscience and the Adapted Mind: Rethinking the Role of Network Theories Evolutionary Psychology. Frontiers in Psychology, 2020, 11, 545632.	in	1.1	7
2507	Converging Resting State Networks Unravels Potential Remote Effects of Transcranial N Stimulation for Major Depression. Frontiers in Psychiatry, 2020, 11, 836.	lagnetic	1.3	12
2508	Inferring neural information flow from spiking data. Computational and Structural Biote Journal, 2020, 18, 2699-2708.	chnology	1.9	5
2509	Task-evoked activity quenches neural correlations and variability across cortical areas. P Computational Biology, 2020, 16, e1007983.	LoS	1.5	62
2510	SAP97 rs3915512 Polymorphism Affects the Neurocognition of Schizophrenic Patients: Neuroimaging Study. Frontiers in Genetics, 2020, 11, 572414.	A Genetic	1.1	5
2511	Evaluation of Effective Connectivity Between Brain Areas Activated During Simulated Dr Dynamic Causal Modeling. Frontiers in Behavioral Neuroscience, 2020, 14, 158.	iving Using	1.0	3
2512	Generative modelling of the thalamo-cortical circuit mechanisms underlying the neuropl effects of ketamine. NeuroImage, 2020, 221, 117189.	hysiological	2.1	15
2513	Aberrant effective connectivity is associated with positive symptoms in first-episode sch NeuroImage: Clinical, 2020, 28, 102444.	nizophrenia.	1.4	5

#	Article	IF	CITATIONS
2514	Differential Covariance: A New Method to Estimate Functional Connectivity in fMRI. Neural Computation, 2020, 32, 2389-2421.	1.3	4
2515	Protein-protein interactions in neurodegenerative diseases: A conspiracy theory. PLoS Computational Biology, 2020, 16, e1008267.	1.5	35
2516	Neurocognitive Mechanisms Underlying Social Atypicalities in Autism: Weak Amygdala's Emotional Modulation Hypothesis. Frontiers in Psychiatry, 2020, 11, 864.	1.3	7
2517	A Bayesian method for inference of effective connectivity in brain networks for detecting the Mozart effect. Computers in Biology and Medicine, 2020, 127, 104055.	3.9	5
2518	Altered dynamic interactions within frontostriatal circuits reflect disturbed craving processing in internet gaming disorder. CNS Spectrums, 2020, , 1-9.	0.7	6
2519	Investigating corticoâ€subcortical circuits during auditory sensory attenuation: A combined magnetoencephalographic and dynamic causal modeling study. Human Brain Mapping, 2020, 41, 4419-4430.	1.9	4
2520	Cerebellar – Premotor cortex interactions underlying visuomotor adaptation. Neurolmage, 2020, 220, 117142.	2.1	29
2521	Flexible adjustment of the effective connectivity between the fronto-parietal and visual regions supports cognitive flexibility. NeuroImage, 2020, 220, 117158.	2.1	23
2522	Eye-Opening Alters the Interaction Between the Salience Network and the Default-Mode Network. Neuroscience Bulletin, 2020, 36, 1547-1551.	1.5	9
2523	Outcome prediction with resting-state functional connectivity after cardiac arrest. Scientific Reports, 2020, 10, 11695.	1.6	18
2524	Effective connectivity during autobiographical memory search. Brain and Behavior, 2020, 10, e01719.	1.0	5
2525	Approaches to inferring multi-regional interactions from simultaneous population recordings. Current Opinion in Neurobiology, 2020, 65, 108-119.	2.0	11
2526	Visuo-spatial attention to the blind hemifield of hemianopic patients: Can it survive the impairment of visual awareness?. Neuropsychologia, 2020, 149, 107673.	0.7	2
2527	Dynamic Causal Modeling for fMRI With Wilson-Cowan-Based Neuronal Equations. Frontiers in Neuroscience, 2020, 14, 593867.	1.4	14
2528	Detecting (Un)seen Change: The Neural Underpinnings of (Un)conscious Prediction Errors. Frontiers in Systems Neuroscience, 2020, 14, 541670.	1.2	5
2529	Susceptibility to interference between Pavlovian and instrumental control is associated with early hazardous alcohol use. Addiction Biology, 2021, 26, e12983.	1.4	11
2530	Extending Bayesian Models of the Rubber Hand Illusion. Multisensory Research, 2020, 33, 127-160.	0.6	12
2531	Long-lasting connectivity changes induced by intensive first-person shooter gaming. Brain Imaging and Behavior, 2021, 15, 1518-1532.	1.1	9

#	Article	IF	CITATIONS
2532	FMRI hemodynamic response function (HRF) as a novel marker of brain function: applications for understanding obsessive-compulsive disorder pathology and treatment response. Brain Imaging and Behavior, 2021, 15, 1622-1640.	1.1	20
2533	Correspondence Between Effective Connections in the Stop-Signal Task and Microstructural Correlations. Frontiers in Human Neuroscience, 2020, 14, 279.	1.0	7
2534	A Predictive Coding Perspective on Mismatch Negativity Impairment in Schizophrenia. Frontiers in Psychiatry, 2020, 11, 660.	1.3	25
2535	Brain Networks Sensitive to Object Novelty, Value, and Their Combination. Cerebral Cortex Communications, 2020, 1, tgaa034.	0.7	14
2536	The hijacked self: Disrupted functional connectivity between the periaqueductal gray and the default mode network in posttraumatic stress disorder using dynamic causal modeling. NeuroImage: Clinical, 2020, 27, 102345.	1.4	15
2537	Effective connectivity predicts cognitive empathy in cocaine addiction: a spectral dynamic causal modeling study. Brain Imaging and Behavior, 2021, 15, 1553-1561.	1.1	11
2538	The Autoregressive Linear Mixture Model: A Time-Series Model for an Instantaneous Mixture of Network Processes. IEEE Transactions on Signal Processing, 2020, 68, 4481-4496.	3.2	4
2539	Models of communication and control for brain networks: distinctions, convergence, and future outlook. Network Neuroscience, 2020, 4, 1122-1159.	1.4	46
2540	The effects of Alzheimer's disease related striatal pathologic changes on the fractional amplitude of low-frequency fluctuations. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1347-1359.	0.9	1
2541	Expecting social punishment facilitates control over a decision under uncertainty by recruiting medial prefrontal cortex. Social Cognitive and Affective Neuroscience, 2020, 15, 1260-1270.	1.5	2
2542	Structural determinants of dynamic fluctuations between segregation and integration on the human connectome. Communications Biology, 2020, 3, 606.	2.0	18
2543	Aberrant connectivity in auditory precision encoding in schizophrenia spectrum disorder and across the continuum of psychotic-like experiences. Schizophrenia Research, 2020, 222, 185-194.	1.1	3
2544	An insulaâ€driven network computes decision uncertainty and promotes abstinence in chronic cocaine users. European Journal of Neuroscience, 2020, 52, 4923-4936.	1.2	9
2545	Neural processes for live pro-social dialogue between dyads with socioeconomic disparity. Social Cognitive and Affective Neuroscience, 2020, 15, 875-887.	1.5	16
2546	Beneficial effects of cerebellar tDCS on motor learning are associated with altered putamen-cerebellar connectivity: A simultaneous tDCS-fMRI study. NeuroImage, 2020, 223, 117363.	2.1	32
2547	Heritability of overlapping impulsivity and compulsivity dimensional phenotypes. Scientific Reports, 2020, 10, 14378.	1.6	12
2548	Whole-Brain Models to Explore Altered States of Consciousness from the Bottom Up. Brain Sciences, 2020, 10, 626.	1.1	40
2549	The Importance of Cerebellar Connectivity on Simulated Brain Dynamics. Frontiers in Cellular Neuroscience, 2020, 14, 240.	1.8	14

#	Article	IF	CITATIONS
2550	Partial Similarity Reveals Dynamics in Brainstem-Midbrain Networks during Trigeminal Nociception. Brain Sciences, 2020, 10, 603.	1.1	1
2551	â€~Dark matter', second waves and epidemiological modelling. BMJ Global Health, 2020, 5, e003978.	2.0	11
2552	Multimodal Computational Modeling of Visual Object Recognition Deficits but Intact Repetition Priming in Schizophrenia. Frontiers in Psychiatry, 2020, 11, 547189.	1.3	4
2553	Individual Differences in Brain Responses: New Opportunities for Tailoring Health Communication Campaigns. Frontiers in Human Neuroscience, 2020, 14, 565973.	1.0	5
2554	Active inference on discrete state-spaces: A synthesis. Journal of Mathematical Psychology, 2020, 99, 102447.	1.0	119
2555	The effects of age on restingâ€state BOLD signal variability is explained by cardiovascular and cerebrovascular factors. Psychophysiology, 2021, 58, e13714.	1.2	51
2556	Neurocognitive dynamics of near-threshold voice signal detection and affective voice evaluation. Science Advances, 2020, 6, .	4.7	8
2557	Changes in divergent thinking strategy due to creativity training: Findings from dynamic causal modelling. Journal of Physics: Conference Series, 2020, 1497, 012022.	0.3	0
2559	Statistical methods for dissecting interactions between brain areas. Current Opinion in Neurobiology, 2020, 65, 59-69.	2.0	41
2560	Causality-Based Feature Fusion for Brain Neuro-Developmental Analysis. IEEE Transactions on Medical Imaging, 2020, 39, 3290-3299.	5.4	4
2561	Concepts and Principles of Clinical Functional Magnetic Resonance Imaging. , 2020, , 153-167.		0
2562	Conservation laws by virtue of scale symmetries in neural systems. PLoS Computational Biology, 2020, 16, e1007865.	1.5	4
2563	Effects of hunger, satiety and oral glucose on effective connectivity between hypothalamus and insular cortex. NeuroImage, 2020, 217, 116931.	2.1	8
2564	Neurophysiological Hallmarks of Neurodegenerative Cognitive Decline: The Study of Brain Connectivity as A Biomarker of Early Dementia. Journal of Personalized Medicine, 2020, 10, 34.	1.1	26
2565	Review of EEG, ERP, and Brain Connectivity Estimators as Predictive Biomarkers of Social Anxiety Disorder. Frontiers in Psychology, 2020, 11, 730.	1.1	44
2566	Identification of an Amygdala–Thalamic Circuit That Acts as a Central Gain Mechanism in Taste Perceptions. Journal of Neuroscience, 2020, 40, 5051-5062.	1.7	23
2567	The impact of phantom decoys on the neural processing of valuation. Brain Structure and Function, 2020, 225, 1523-1535.	1.2	1
2568	The Bayesian Virtual Epileptic Patient: A probabilistic framework designed to infer the spatial map of epileptogenicity in a personalized large-scale brain model of epilepsy spread. NeuroImage, 2020, 217, 116839.	2.1	75

#	Article	IF	CITATIONS
2569	Information Flow in Computational Systems. IEEE Transactions on Information Theory, 2020, 66, 5456-5491.	1.5	8
2570	Changes in the Effective Connectivity of the Social Brain When Making Inferences About Close Others vs. the Self. Frontiers in Human Neuroscience, 2020, 14, 151.	1.0	16
2571	Hemodynamic latency is associated with reduced intelligence across the lifespan: an fMRI DCM study of aging, cerebrovascular integrity, and cognitive ability. Brain Structure and Function, 2020, 225, 1705-1717.	1.2	6
2572	The boundaries of state-space Granger causality analysis applied to BOLD simulated data: A comparative modelling and simulation approach. Journal of Neuroscience Methods, 2020, 341, 108758.	1.3	3
2573	Parietal-Prefrontal Feedforward Connectivity in Association With Schizophrenia Genetic Risk and Delusions. American Journal of Psychiatry, 2020, 177, 1151-1158.	4.0	11
2574	Topology Sensing of Wireless Networks Based on Hawkes Process. Mobile Networks and Applications, 2020, 25, 2459-2470.	2.2	1
2575	Dynamic representations in networked neural systems. Nature Neuroscience, 2020, 23, 908-917.	7.1	48
2576	Attentional reorientation along the meridians of the visual field: Are there different neural mechanisms at play?. Human Brain Mapping, 2020, 41, 3765-3780.	1.9	6
2577	Understanding brain organisation in the face of functional heterogeneity and functional multiplicity. NeuroImage, 2020, 220, 117061.	2.1	51
2578	In silico exploration of mouse brain dynamics by focal stimulation reflects the organization of functional networks and sensory processing. Network Neuroscience, 2020, 4, 807-851.	1.4	8
2579	Musical mirror-symmetrical movement tasks: comparison of rhythm versus melody-playing. NeuroReport, 2020, 31, 523-529.	0.6	2
2580	Brain activity reflects the predictability of word sequences in listened continuous speech. NeuroImage, 2020, 219, 116936.	2.1	32
2581	Altered restingâ€state functional connectivity and effective connectivity of the habenula in irritable bowel syndrome: A crossâ€sectional and machine learning study. Human Brain Mapping, 2020, 41, 3655-3666.	1.9	18
2582	Bipartite Functional Fractionation within the Default Network Supports Disparate Forms of Internally Oriented Cognition. Cerebral Cortex, 2020, 30, 5484-5501.	1.6	26
2583	The crisis in neuroscience. , 2020, , 23-48.		7
2584	The role of Hebbian learning in human perception: a methodological and theoretical review of the human Visual Long-Term Potentiation paradigm. Neuroscience and Biobehavioral Reviews, 2020, 115, 220-237.	2.9	29
2585	Recovery from stroke: current concepts and future perspectives. Neurological Research and Practice, 2020, 2, 17.	1.0	157
2586	Predictive processing account of action perception: Evidence from effective connectivity in the action observation network. Cortex, 2020, 128, 132-142.	1.1	26

#	Article	IF	CITATIONS
2587	Importance of the Habenula for Avoidance Learning Including Contextual Cues in the Human Brain: A Preliminary fMRI Study. Frontiers in Human Neuroscience, 2020, 14, 165.	1.0	9
2588	Model-Predicted Balance Between Neural Excitation and Inhibition Was Maintained Despite of Age-Related Decline in Sensory Evoked Local Field Potential in Rat Barrel Cortex. Frontiers in Systems Neuroscience, 2020, 14, 24.	1.2	4
2589	Long-Term Neuroanatomical Consequences of Childhood Maltreatment: Reduced Amygdala Inhibition by Medial Prefrontal Cortex. Frontiers in Systems Neuroscience, 2020, 14, 28.	1.2	14
2590	Asymmetric high-order anatomical brain connectivity sculpts effective connectivity. Network Neuroscience, 2020, 4, 871-890.	1.4	9
2591	Dynamical Mechanisms of Interictal Resting-State Functional Connectivity in Epilepsy. Journal of Neuroscience, 2020, 40, 5572-5588.	1.7	55
2592	Tilting Together: An Information-Theoretic Characterization of Behavioral Roles in Rhythmic Dyadic Interaction. Frontiers in Human Neuroscience, 2020, 14, 185.	1.0	8
2593	Individual Topological Analysis of Synchronization-Based Brain Connectivity. Applied Sciences (Switzerland), 2020, 10, 3275.	1.3	1
2594	Comparison of Phase Synchronization Measures for Identifying Stimulus-Induced Functional Connectivity in Human Magnetoencephalographic and Simulated Data. Frontiers in Neuroscience, 2020, 14, 648.	1.4	18
2595	Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. NeuroImage, 2020, 216, 116734.	2.1	31
2596	Uncovering the heterogeneity of posttraumatic stress disorder: Towards a personalized medicine approach for military members and Veterans. Journal of Military, Veteran and Family Health, 2020, 6, 68-79.	0.3	5
2597	Brain Structural–Functional Connectivity Relationship Underlying the Information Processing Speed. Brain Connectivity, 2020, 10, 143-154.	0.8	9
2598	Neural correlates of non-specific skin conductance responses during resting state fMRI. NeuroImage, 2020, 214, 116721.	2.1	11
2599	Acupuncture Induces Reduction in Limbic-Cortical Feedback of a Neuralgia Rat Model: A Dynamic Causal Modeling Study. Neural Plasticity, 2020, 2020, 1-11.	1.0	4
2600	Are unimanual movements bilateral?. Neuroscience and Biobehavioral Reviews, 2020, 113, 39-50.	2.9	35
2601	The pontine-driven somatic gaze tract contributes to affective processing in humans. NeuroImage, 2020, 213, 116692.	2.1	5
2602	Dynamic causal modeling of hippocampal activity measured via mesoscopic voltage-sensitive dye imaging. Neurolmage, 2020, 213, 116755.	2.1	1
2603	Predicting individual clinical trajectories of depression with generative embedding. NeuroImage: Clinical, 2020, 26, 102213.	1.4	33
2604	Extensions of Multivariate Dynamical Systems to Simultaneously Explain Neural and Behavioral Data. Computational Brain & Behavior, 2020, 3, 430-457.	0.9	1

		CITATION RE	PORT	
#	Article		IF	Citations
2605	Unification by Fiat: Arrested Development of Predictive Processing. Cognitive Science, 2	020, 44, e12867.	0.8	43
2606	Developmental Differences of Structural Connectivity and Effective Connectivity in Sem Judgments of Chinese Characters. Frontiers in Human Neuroscience, 2020, 14, 233.	antic	1.0	6
2607	A Review of Methods for Estimating Algorithmic Complexity: Options, Challenges, and N Entropy, 2020, 22, 612.	lew Directions.	1.1	21
2608	Estimation and validation of individualized dynamic brain models with resting state fMR 2020, 221, 117046.	I. Neurolmage,	2.1	32
2609	vmPFC Drives Hippocampal Processing during Autobiographical Memory Recall Regardle Remoteness. Cerebral Cortex, 2020, 30, 5972-5987.	ess of	1.6	71
2610	Propagation of BOLD Activity Reveals Task-dependent Directed Interactions Across Hum Cortex. Cerebral Cortex, 2020, 30, 5899-5914.	ıan Visual	1.6	6
2611	Brain Networks Processing Temporal Information in Dynamic Facial Expressions. Cerebra 2020, 30, 6021-6038.	al Cortex,	1.6	8
2612	Intracranial-EEG evidence for medial temporal pole driving amygdala activity induced by emotional stimuli. Cortex, 2020, 130, 32-48.	multi-modal	1.1	12
2613	Anatomy of brain lesions after stroke predicts effectiveness of mirror therapy. European Neuroscience, 2020, 52, 3628-3641.	Journal of	1.2	7
2614	Reducing Amygdala Activity and Phobic Fear through Cognitive Top–Down Regulatior Cognitive Neuroscience, 2020, 32, 1117-1129.	n. Journal of	1.1	6
2615	Ventral stream hierarchy underlying perceptual organization in adolescents with autism. Clinical, 2020, 25, 102197.	. Neurolmage:	1.4	4
2616	A Lifespan fMRI Study of Neurodevelopment Associated with Reading Chinese. Cerebral 30, 4140-4157.	Cortex, 2020,	1.6	15
2617	Effect of manual approaches with osteopathic modality on brain correlates of interocept study. Scientific Reports, 2020, 10, 3214.	tion: an fMRI	1.6	55
2618	Time-resolved effective connectivity in task fMRI: Psychophysiological interactions of Cc patterns. NeuroImage, 2020, 212, 116635.	-Activation	2.1	13
2619	Neuroimaging studies in people at clinical high risk for psychosis. , 2020, , 167-182.			1
2620	Emotion-body connection dispositions modify the insulae-midcingulate effective connec anger processing. PLoS ONE, 2020, 15, e0228404.	tivity during	1.1	3
2621	Multi-Level Clustering of Dynamic Directional Brain Network Patterns and Their Behavior Relevance. Frontiers in Neuroscience, 2019, 13, 1448.	ral	1.4	9
2622	Continuous reorganization of cortical information flow in multiple sclerosis: A longitudir effective connectivity study. Scientific Reports, 2020, 10, 806.	nal fMRI	1.6	17

		CITATION REPOR	Т	
#	ARTICLE	IF	I	Citations
2623	Evaluation of Resting Spatio-Temporal Dynamics of a Neural Mass Model Using Resting fMRI Connectivity and EEG Microstates. Frontiers in Computational Neuroscience, 2019, 13, 91.	1.2	:	15
2624	Multimodal mapping of the face connectome. Nature Human Behaviour, 2020, 4, 397-411.	6.2		53
2625	Large-scale Functional Integration, Rather than Functional Dissociation along Dorsal and Vent Streams, Underlies Visual Perception and Action. Journal of Cognitive Neuroscience, 2020, 32	ral , 847-861. 1.1		14
2626	Novel Regional Activity Representation With Constrained Canonical Correlation Analysis for B Connectivity Network Estimation. IEEE Transactions on Medical Imaging, 2020, 39, 2363-237			6
2627	Revealing Relationships Among Cognitive Functions Using Functional Connectivity and a Larg Meta-Analysis Database. Frontiers in Human Neuroscience, 2019, 13, 457.	e-Scale 1.0		7
2628	Spatiotemporal dynamics of predictive brain mechanisms during speech processing: an MEG s Brain and Language, 2020, 203, 104755.	tudy. 0.8		8
2629	Basal ganglia lateralization in different types of reward. Brain Imaging and Behavior, 2020, 14, 2618-2646.	1.1		26
2630	Measuring Cognitive Flexibility with the Flexible Item Selection Task: From fMRI Adaptation to Individual Connectome Mapping. Journal of Cognitive Neuroscience, 2020, 32, 1026-1045.	1.1		17
2631	Bayesian fusion and multimodal DCM for EEG and fMRI. NeuroImage, 2020, 211, 116595.	2.1	;	30
2632	Model-based fMRI analysis of memory. Current Opinion in Behavioral Sciences, 2020, 32, 88-9	13. 2.0		2
2633	The role of the subgenual anterior cingulate cortex in dorsomedial prefrontal–amygdala neu circuitry during positiveâ€social emotion regulation. Human Brain Mapping, 2020, 41, 3100-3	ıral 1.9 118. 1.9		43
2634	Cognitive load amplifies Parkinson's tremor through excitatory network influences onto tl thalamus. Brain, 2020, 143, 1498-1511.	he 3.7		40
2635	Deep brain stimulation modulates directional limbic connectivity in obsessive-compulsive diso Brain, 2020, 143, 1603-1612.	rder. 3.7	;	35
2636	Neural Circuitry of Novelty Salience Processing in Psychosis Risk: Association With Clinical Ou Schizophrenia Bulletin, 2020, 46, 670-679.	tcome. 2.3		29
2637	Analysing brain networks in population neuroscience: a case for the Bayesian philosophy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190661.	1.8		27
2638	A Novel Adaptive Fading Kalman Filter-Based Approach to Time-Varying Brain Spectral/Connec Analyses of Event-Related EEG Signals. IEEE Access, 2020, 8, 51230-51245.	tivity 2.6		2
2639	Predicting Trial-by-Trial Variation in Oculomotor Behavior Using Multivariate Electroencephalography Theta Phase. IEEE Access, 2020, 8, 65544-65553.	2.6		3
2640	Breaking human social decision making into multiple components and then putting them toga again. Cortex, 2020, 127, 221-230.	ether 1.1		28

#	Article	IF	Citations
2641	DesigningÂweightedÂcorrelationÂkernelsÂinÂconvolutional neural networks for functional connectivity based brain disease diagnosis. Medical Image Analysis, 2020, 63, 101709.	7.0	39
2642	Deconstructing the Posterior Medial Episodic Network. Trends in Cognitive Sciences, 2020, 24, 451-465.	4.0	147
2643	The influence of COMT rs4680 on functional connectivity in healthy adults: A systematic review. European Journal of Neuroscience, 2020, 52, 3851-3878.	1.2	6
2644	Effective brain connectivity at rest is associated with choiceâ€induced preference formation. Human Brain Mapping, 2020, 41, 3077-3088.	1.9	9
2645	A system identification analysis of optogenetically evoked electrocorticography and cerebral blood flow responses. Journal of Neural Engineering, 2020, 17, 056049.	1.8	3
2646	Modulations of Insular Projections by Prior Belief Mediate the Precision of Prediction Error during Tactile Learning. Journal of Neuroscience, 2020, 40, 3827-3837.	1.7	7
2647	Multi-Scale Time-Series Kernel-Based Learning Method for Brain Disease Diagnosis. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 209-217.	3.9	16
2648	Neural interactions in occipitotemporal cortex during basic human movement perception by dynamic causal modeling. Brain Imaging and Behavior, 2021, 15, 231-243.	1.1	2
2649	A computational modelâ€based analysis of basal ganglia pathway changes in Parkinson's disease inferred from restingâ€state fMRI. European Journal of Neuroscience, 2021, 53, 2278-2295.	1.2	14
2650	BVAR-Connect: A Variational Bayes Approach to Multi-Subject Vector Autoregressive Models for Inference on Brain Connectivity Networks. Neuroinformatics, 2021, 19, 39-56.	1.5	5
2651	The activity and connectivity of the facial emotion processing neural circuitry in bipolar disorder: a systematic review. Journal of Affective Disorders, 2021, 279, 518-548.	2.0	12
2652	Neural Oscillatory Abnormalities During Gaze Processing in Schizophrenia: Evidence of Reduced Theta Phase Consistency and Inter-areal Theta-Gamma Coupling. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 370-379.	1.1	11
2653	Advances in the computational understanding of mental illness. Neuropsychopharmacology, 2021, 46, 3-19.	2.8	70
2654	Frontal–striatal connectivity and positive symptoms of schizophrenia: implications for the mechanistic basis of prefrontal rTMS. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 3-15.	1.8	11
2655	Modelling temporal biomarkers with semiparametric nonlinear dynamical systems. Biometrika, 2021, 108, 199-214.	1.3	5
2656	Connectivity-Related Roles of Contralesional Brain Regions for Motor Performance Early after Stroke. Cerebral Cortex, 2021, 31, 993-1007.	1.6	12
2657	Neural modelling of the semantic predictability gain under challenging listening conditions. Human Brain Mapping, 2021, 42, 110-127.	1.9	13
2658	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. NeuroImage, 2021, 224, 117429.	2.1	54

ARTICLE IF CITATIONS # Perceptual learning of tone patterns changes the effective connectivity between Heschl's gyrus and 2659 1.9 18 planum temporale. Human Brain Mapping, 2021, 42, 941-952. Structure-function coupling in the human connectome: A machine learning approach. NeuroImage, 2660 2.1 69 2021, 226, 117609. Amygdala and Insula Connectivity Changes Following Psychotherapy for Posttraumatic Stress 2661 0.7 28 Disorder: A Randomized Clinical Trial. Biological Psychiatry, 2021, 89, 857-867. Brain Network Simulations Indicate Effects of Neuregulin-1 Genotype on Excitation-Inhibition Balance 2662 in Cortical Dynamics. Cerebral Cortex, 2021, 31, 2013-2025. Cortical reorganization after motor stroke: A pilot study on differences between the upper and 2663 1.9 12 lower limbs. Human Brain Mapping, 2021, 42, 1013-1033. Effective connectivity between bed nucleus of the stria terminalis and amygdala: Reproducibility and 2664 1.9 relation to anxiety. Human Brain Mapping, 2021, 42, 824-836. Parallel cortical-brainstem pathways to attentional analgesia. NeuroImage, 2021, 226, 117548. 2665 2.1 26 Dynamic network reconstruction from heterogeneous datasets. Automatica, 2021, 123, 109339. 2666 3.0 Dynamic causal modeling of eye gaze processing in schizophrenia. Schizophrenia Research, 2021, 229, 2667 1.1 18 112-121. Characterizing the theory of mind network in schizophrenia reveals a sparser network structure. 1.1 Schizophrenia Research, 2021, 228, 581-589. An organisational systems-biology view of viruses explains why they are not alive. BioSystems, 2021, 2669 0.9 8 200, 104324. Nonlinear System Identification of Neural Systems from Neurophysiological Signals. Neuroscience, 1.1 29 2021, 458, 213-228. Representation Wars: Enacting an Armistice Through Active Inference. Frontiers in Psychology, 2020, 2671 1.1 27 11, 598733. Use of random matrix theory in the discovery of resting state brain networks. Magnetic Resonance 1.0 Imaging, 2021, 77, 69-87. 2673 Parcels and particles: Markov blankets in the brain. Network Neuroscience, 2021, 5, 211-251. 1.4 48 Spatiotemporal functional interactivity among large-scale brain networks. NeuroImage, 2021, 227, 2674 <u>117628.</u> Whole-brain estimates of directed connectivity for human connectomics. NeuroImage, 2021, 225, 117491. 2675 2.1 20 Difficulties with Speech-in-Noise Perception Related to Fundamental Grouping Processes in Auditory 2676 1.6 Cortex. Cerebral Cortex, 2021, 31, 1582-1596.

		CITATION RE	PORT	
#	Article		IF	CITATIONS
2677	An MRI-Based, Data-Driven Model of Cortical Laminar Connectivity. Neuroinformatics,	2021, 19, 205-218.	1.5	12
2678	Cooperative Topology Sensing of Wireless Networks With Distributed Sensors. IEEE Tr Cognitive Communications and Networking, 2021, 7, 524-540.	ansactions on	4.9	11
2679	Hemodynamic modeling of longâ€ŧerm aspirin effects on blood oxygenated level depe 7 Tesla in patients at cardiovascular risk. European Journal of Neuroscience, 2021, 53,	ndent responses at 1262-1278.	1.2	0
2680	Wholeâ€brain computational modeling reveals disruption of microscale brain dynamic <scp>HIV</scp> infected individuals. Human Brain Mapping, 2021, 42, 95-109.	s in	1.9	5
2681	Causality in Cognitive Neuroscience: Concepts, Challenges, and Distributional Robustr Cognitive Neuroscience, 2021, 33, 226-247.	iess. Journal of	1.1	22
2682	Effective Connectivity for Default Mode Network Analysis of Alcoholism. Brain Connec 12-29.	tivity, 2021, 11,	0.8	15
2683	In Vivo Assay of Cortical Microcircuitry in Frontotemporal Dementia: A Platform for Exp Medicine Studies. Cerebral Cortex, 2021, 31, 1837-1847.	perimental	1.6	19
2684	A 3D multiscale view convolutional neural network with attention for mental disease d MRI images. Mathematical Biosciences and Engineering, 2021, 18, 6978-3994.	iagnosis on	1.0	11
2685	Multiscale neural modeling of resting-state fMRI reveals executive-limbic malfunction a mechanism in major depressive disorder. NeuroImage: Clinical, 2021, 31, 102758.	s a core	1.4	11
2687	Brain Imaging and the Mechanisms of Antidepressant Action. , 2021, , 248-260.			0
2688	Brain Imaging of Reward Dysfunction in Unipolar and Bipolar Disorders. , 2021, , 39-48			0
2689	Molecular Imaging of Dopamine and Antipsychotics in Bipolar Disorder. , 2021, , 236-2	47.		0
2690	Description Length Guided Unified Granger Causality Analysis. IEEE Access, 2021, 9, 13	3704-13716.	2.6	4
2691	Estimating Functional Brain Network with Low-Rank Structure via Matrix Factorization Identification. Journal of Applied Mathematics and Physics, 2021, 09, 1946-1963.	for MCI/ASD	0.2	2
2692	Neural Correlates of Interpersonal Space Permeability and Flexibility in Autism Spectru Cerebral Cortex, 2021, 31, 2968-2979.	n Disorder.	1.6	8
2693	Magnetoencephalography Studies in Mood Disorders. , 2021, , 192-205.			0
2695	Functional Near-Infrared Spectroscopy Studies in Mood Disorders. , 2021, , 166-174.			0
2697	Neuroimaging Studies of Effects of Psychotherapy in Depression. , 2021, , 261-272.			0

#	Article	IF	CITATIONS
2698	Inferring Effective Connectivity Networks From fMRI Time Series With a Temporal Entropy-Score. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5993-6006.	7.2	10
2699	Altered effective connectivity within an oculomotor control network in individuals with schizophrenia. NeuroImage: Clinical, 2021, 31, 102764.	1.4	2
2700	Feasibility of pharmacokinetic parametric PET images in scaled subprofile modelling using principal component analysis. NeuroImage: Clinical, 2021, 30, 102625.	1.4	4
2701	Ventromedial Prefrontal Cortex Drives the Prioritization of Self-Associated Stimuli in Working Memory. Journal of Neuroscience, 2021, 41, 2012-2023.	1.7	25
2702	Neuroimaging Brain Inflammation in Mood Disorders. , 2021, , 121-134.		0
2703	An Overview of Machine Learning Applications in Mood Disorders. , 2021, , 206-218.		0
2704	Nonlinear Lagrangean Neural Networks. Lecture Notes in Computer Science, 2021, , 163-173.	1.0	1
2705	Zooming-in on higher-level vision: High-resolution fMRI for understanding visual perception and awareness. Progress in Neurobiology, 2021, 207, 101998.	2.8	9
2706	Constructing Dynamic Functional Networks via Weighted Regularization and Tensor Low-Rank Approximation for Early Mild Cognitive Impairment Classification. Frontiers in Cell and Developmental Biology, 2020, 8, 610569.	1.8	8
2707	Parcellation-induced variation of empirical and simulated brain connectomes at group and subject levels. Network Neuroscience, 2021, 5, 798-830.	1.4	23
2708	Automated Diagnosis of Major Depressive Disorder Using Brain Effective Connectivity and 3D Convolutional Neural Network. IEEE Access, 2021, 9, 8835-8846.	2.6	31
2710	Electrophysiological Biomarkers for Mood Disorders. , 2021, , 175-191.		1
2712	Estimating sparse functional connectivity networks via hyperparameter-free learning model. Artificial Intelligence in Medicine, 2021, 111, 102004.	3.8	21
2713	Multiple-Shooting Adjoint Method for Whole-Brain Dynamic Causal Modeling. Lecture Notes in Computer Science, 2021, , 58-70.	1.0	4
2714	Revisiting the global workspace orchestrating the hierarchical organization of the human brain. Nature Human Behaviour, 2021, 5, 497-511.	6.2	61
2716	Moving Toward versus Away from Another: How Body Motion Direction Changes the Representation of Bodies and Actions in the Visual Cortex. Cerebral Cortex, 2021, 31, 2670-2685.	1.6	28
2717	Neuroanatomical Findings in Bipolar Disorder. , 2021, , 16-27.		0
2718	Imaging Glutamatergic and GABAergic Abnormalities in Mood Disorders. , 2021, , 105-120.		0

~			~		
(†17	ΓΑΤΙ	ON	- IS F	PO	RL

#	Article	IF	CITATIONS
2719	Magnetic Resonance Spectroscopy Investigations of Bioenergy and Mitochondrial Function in Mood Disorders. , 2021, , 83-104.		0
2720	Brain Imaging Methods in Mood Disorders. , 2021, , 1-6.		0
2721	Effects of Lithium on Brain Structure in Bipolar Disorder. , 2021, , 219-235.		1
2723	End-to-end neural system identification with neural information flow. PLoS Computational Biology, 2021, 17, e1008558.	1.5	25
2725	A change of mind: Globus pallidus activity and effective connectivity during changes in choice selections. European Journal of Neuroscience, 2021, 53, 2774-2787.	1.2	4
2726	The brain dynamics of architectural affordances during transition. Scientific Reports, 2021, 11, 2796.	1.6	24
2727	Structural and functional underpinnings of precentral abnormalities in amyotrophic lateral sclerosis. European Journal of Neurology, 2021, 28, 1528-1536.	1.7	4
2728	Extrahippocampal contributions to spatial navigation in humans: A review of the neuroimaging evidence. Hippocampus, 2021, 31, 640-657.	0.9	21
2729	Individual Differences in Rewardâ€Based Learning Predict Fluid Reasoning Abilities. Cognitive Science, 2021, 45, e12941.	0.8	3
2730	A Bayesian State-Space Approach to Mapping Directional Brain Networks. Journal of the American Statistical Association, 2021, 116, 1637-1647.	1.8	2
2733	Regression dynamic causal modeling for restingâ€state fMRI. Human Brain Mapping, 2021, 42, 2159-2180.	1.9	52
2734	Network Modeling in Biology: Statistical Methods for Gene and Brain Networks. Statistical Science, 2021, 36, 89-108.	1.6	6
2735	Pairwise maximum entropy model explains the role of white matter structure in shaping emergent co-activation states. Communications Biology, 2021, 4, 210.	2.0	10
2736	Constructing Brain Connectivity Model Using Causal Network Reconstruction Approach. Frontiers in Neuroinformatics, 2021, 15, 619557.	1.3	8
2737	Pain-Related Brain Connectivity Changes in Migraine: A Narrative Review and Proof of Concept about Possible Novel Treatments Interference. Brain Sciences, 2021, 11, 234.	1.1	17
2738	Measuring Causality. Resonance, 2021, 26, 191-210.	0.2	7
2740	Selective modulation of interhemispheric connectivity by transcranial alternating current stimulation influences binaural integration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	24
2742	Evaluating Effective Connectivity of Trust in Human–Automation Interaction: A Dynamic Causal Modeling (DCM) Study. Human Factors, 2022, 64, 1051-1069.	2.1	6

#	Article	IF	CITATIONS
2743	Differential Modulation of Effective Connectivity in the Brain's Extended Face Processing System by Fearful and Sad Facial Expressions. ENeuro, 2021, 8, ENEURO.0380-20.2021.	0.9	13
2744	Consistency of independent component analysis for FMRI. Journal of Neuroscience Methods, 2021, 351, 109013.	1.3	2
2746	An Evaluation of Executive Control Function and Its Relationship with Driving Performance. Sensors, 2021, 21, 1763.	2.1	6
2747	Optimal Organization of Functional Connectivity Networks for Segregation and Integration With Large-Scale Critical Dynamics in Human Brains. Frontiers in Computational Neuroscience, 2021, 15, 641335.	1.2	5
2749	Integrative frontal-parietal dynamics supporting cognitive control. ELife, 2021, 10, .	2.8	34
2750	You took the words right out of my mouth: Dual-fMRI reveals intra- and inter-personal neural processes supporting verbal interaction NeuroImage, 2021, 228, 117697.	2.1	10
2752	Brain Plasticity Mechanisms Underlying Motor Control Reorganization: Pilot Longitudinal Study on Post-Stroke Subjects. Brain Sciences, 2021, 11, 329.	1.1	6
2754	Noise-assisted multivariate empirical mode decomposition based causal decomposition for brain-physiological network in bivariate and multiscale time series. Journal of Neural Engineering, 2021, 18, 046018.	1.8	4
2755	Task-Dependent Functional and Effective Connectivity during Conceptual Processing. Cerebral Cortex, 2021, 31, 3475-3493.	1.6	35
2756	Distinct and temporally associated neural mechanisms underlying concurrent, postsuccess, and posterror cognitive controls: Evidence from a stopâ€signal task. Human Brain Mapping, 2021, 42, 2677-2690.	1.9	7
2757	Operculo-insular and anterior cingulate plasticity induced by transcranial magnetic stimulation in the human motor cortex: a dynamic casual modeling study. Journal of Neurophysiology, 2021, 125, 1180-1190.	0.9	9
2758	Markov chain Monte Carlo methods for hierarchical clustering of dynamic causal models. Human Brain Mapping, 2021, 42, 2973-2989.	1.9	9
2759	Visual motion processing recruits regions selective for auditory motion in early deaf individuals. NeuroImage, 2021, 230, 117816.	2.1	20
2760	Blind Visualization of Task-Related Networks From Visual Oddball Simultaneous EEG-fMRI Data: Spectral or Spatiospectral Model?. Frontiers in Neurology, 2021, 12, 644874.	1.1	2
2761	Association between emotional intelligence and effective brain connectome: A large-scale spectral DCM study. NeuroImage, 2021, 229, 117750.	2.1	15
2762	Kernel Ordinary Differential Equations. Journal of the American Statistical Association, 2022, 117, 1711-1725.	1.8	5
2764	Learning physically consistent differential equation models from data using group sparsity. Physical Review E, 2021, 103, 042310.	0.8	12
2765	Enhanced inter-regional coupling of neural responses and repetition suppression provide separate contributions to long-term behavioral priming. Communications Biology, 2021, 4, 487.	2.0	5

		CITATION REPORT		
#	Article		IF	CITATIONS
2766	Neural Systems Under Change of Scale. Frontiers in Computational Neuroscience, 202	1, 15, 643148.	1.2	6
2767	Neural Dynamics under Active Inference: Plausibility and Efficiency of Information Proc Entropy, 2021, 23, 454.	essing.	1.1	22
2768	A computational framework for optimal control of a self-adjustive neural system with activity-dependent and homeostatic plasticity. NeuroImage, 2021, 230, 117805.		2.1	2
2769	Gender-related differences in frontal-parietal modular segregation and altered effective in internet gaming disorder. Journal of Behavioral Addictions, 2021, 10, 123-134.	connectivity	1.9	20
2772	Functional Connectome in Parkinson's Disease and Parkinsonism. Current Neurolo Neuroscience Reports, 2021, 21, 24.	gy and	2.0	14
2773	Differences in subcortico-cortical interactions identified from connectome and microci in autism. Nature Communications, 2021, 12, 2225.	rcuit models	5.8	63
2775	Assessing the effective connectivity of premotor areas during real vs imagined grasping approach. NeuroImage, 2021, 230, 117806.	g: a DCM-PEB	2.1	23
2776	A graph neural network framework for causal inference in brain networks. Scientific Re 11, 8061.	ports, 2021,	1.6	16
2778	Blood Oxygenation Level-Dependent Response to Multiple Grip Forces in Multiple Scle Beyond the Main Effect of Movement in Brodmann Area 4a and 4p. Frontiers in Cellula 2021, 15, 616028.		1.8	5
2779	Modeling Neurotransmission: Computational Tools to Investigate Neurological Disorde International Journal of Molecular Sciences, 2021, 22, 4565.	ers.	1.8	7
2781	Biophysical mechanism of the interaction between default mode network and working network. Cognitive Neurodynamics, 2021, 15, 1101-1124.	memory	2.3	15
2782	The Role of Unimodal Feedback Pathways in Gender Perception During Activation of Ve Areas. Frontiers in Systems Neuroscience, 2021, 15, 669256.	pice and Face	1.2	5
2783	Towards Mechanism 2.1: A Dynamic Causal Approach. Philosophy of Science, 0, , .		0.5	1
2784	How hot is the hot zone? Computational modelling clarifies the role of parietal and fro connectivity during anaesthetic-induced loss of consciousness. NeuroImage, 2021, 23	ntoparietal 1, 117841.	2.1	16
2785	Multiscale dynamic mean field (MDMF) model relates resting-state brain dynamics with excitatoryâ \in "inhibitory neurotransmitter homeostasis. Network Neuroscience, 2021, 5		1.4	17
2786	Fine-tuning neural excitation/inhibition for tailored ketamine use in treatment-resistant Translational Psychiatry, 2021, 11, 335.	: depression.	2.4	6
2787	Brain Connectivity Studies on Structure-Function Relationships: A Short Survey with ar Machine Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-31.	ו Emphasis on	1.1	9
2789	Altered Effective Connectivity within the Fronto-Limbic Circuitry in Response to Negati Task in Female Patients with Major Depressive Disorder. Brain Connectivity, 2021, 11,		0.8	13

#	Article	IF	CITATIONS
2790	Virtual connectomic datasets in Alzheimer's Disease and aging using whole-brain network dynamics modelling. ENeuro, 2021, 8, ENEURO.0475-20.2021.	0.9	14
2792	Dynamic causal modelling of immune heterogeneity. Scientific Reports, 2021, 11, 11400.	1.6	3
2793	Naturalistic Stimuli in Affective Neuroimaging: A Review. Frontiers in Human Neuroscience, 2021, 15, 675068.	1.0	43
2794	Characterizing Network Search Algorithms Developed for Dynamic Causal Modeling. Frontiers in Neuroinformatics, 2021, 15, 656486.	1.3	1
2795	Causal coupling inference from multivariate time series based on ordinal partition transition networks. Nonlinear Dynamics, 2021, 105, 555-578.	2.7	8
2796	A survey of brain network analysis by electroencephalographic signals. Cognitive Neurodynamics, 2022, 16, 17-41.	2.3	26
2798	Moral Conflict in Economic Decision Making: The Role of the Anterior Cingulate Cortex—Striatum Pathway. Cerebral Cortex, 2021, 31, 5121-5130.	1.6	0
2799	Enhanced Information Flow From Cerebellum to Secondary Visual Cortices Leads to Better Surgery Outcome in Degenerative Cervical Myelopathy Patients: A Stochastic Dynamic Causal Modeling Study With Functional Magnetic Resonance Imaging. Frontiers in Human Neuroscience, 2021, 15, 632829.	1.0	9
2801	When Is Simultaneous Recording Necessary? A Guide for Researchers Considering Combined EEG-fMRI. Frontiers in Neuroscience, 2021, 15, 636424.	1.4	9
2802	Effective connectivity underlying rewardâ€based executive control. Human Brain Mapping, 2021, 42, 4555-4567.	1.9	3
2803	Maladaptive Avoidance Learning in the Orbitofrontal Cortex in Adolescents With Major Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 293-301.	1.1	2
2804	fMRI-Based Effective Connectivity in Surgical Remediable Epilepsies: A Pilot Study. Brain Topography, 2021, 34, 632-650.	0.8	6
2805	How Self-Appraisal Is Mediated by the Brain. Frontiers in Human Neuroscience, 2021, 15, 700046.	1.0	6
2806	Variational Message Passing and Local Constraint Manipulation in Factor Graphs. Entropy, 2021, 23, 807.	1.1	17
2807	Quantitative relations between BOLD responses, cortical energetics and impulse firing across cortical depth. European Journal of Neuroscience, 2021, 54, 4230-4245.	1.2	0
2809	Interaction Between Cerebellum and Cerebral Cortex, Evidence from Dynamic Causal Modeling. Cerebellum, 2022, 21, 225-233.	1.4	4
2810	Motor Sequence Learning Deficits in Idiopathic Parkinson's Disease Are Associated With Increased Substantia Nigra Activity. Frontiers in Aging Neuroscience, 2021, 13, 685168.	1.7	4
2811	Mind-Body Exercise Modulates Locus Coeruleus and Ventral Tegmental Area Functional Connectivity in Individuals With Mild Cognitive Impairment. Frontiers in Aging Neuroscience, 2021, 13, 646807.	1.7	12

#	Article	IF	CITATIONS
2812	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. Frontiers in Psychiatry, 2021, 12, 680811.	1.3	69
2813	Analysis of the human connectome data supports the notion of a "Common Model of Cognition―for human and human-like intelligence across domains. NeuroImage, 2021, 235, 118035.	2.1	14
2814	A Variational Approach to Scripts. Frontiers in Psychology, 2021, 12, 585493.	1.1	8
2817	An active role of inferior frontal cortex in conscious experience. Current Biology, 2021, 31, 2868-2880.e8.	1.8	37
2818	Altered effective connectivity of the reward network during an incentiveâ€processing task in adults with alcohol use disorder. Alcoholism: Clinical and Experimental Research, 2021, 45, 1563-1577.	1.4	6
2819	Feedforward and feedback pathways of nociceptive and tactile processing in human somatosensory system: A study of dynamic causal modeling of fMRI data. NeuroImage, 2021, 234, 117957.	2.1	19
2820	You can't always get what you want. Philosophy and the Mind Sciences, 0, 2, .	1.3	5
2821	Neuroimaging correlates and predictors of response to repeated-dose intravenous ketamine in PTSD: preliminary evidence. Neuropsychopharmacology, 2021, 46, 2266-2277.	2.8	19
2822	Combining brain perturbation and neuroimaging in non-human primates. NeuroImage, 2021, 235, 118017.	2.1	50
2825	Altered effective connectivity of the extended face processing system in depression and its association with treatment response: findings from the YoDA-C randomized controlled trial. Psychological Medicine, 2021, 51, 2933-2944.	2.7	6
2826	Dyconnmap: Dynamic connectome mapping—A neuroimaging python module. Human Brain Mapping, 2021, 42, 4909-4939.	1.9	6
2827	Connectome-based individual prediction of cognitive behaviors via graph propagation network reveals directed brain network topology. Journal of Neural Engineering, 2021, 18, 0460a3.	1.8	7
2829	On the influence of prior information evaluated by fully Bayesian criteria in a personalized whole-brain model of epilepsy spread. PLoS Computational Biology, 2021, 17, e1009129.	1.5	25
2830	Investigating hypotheses of neurodegeneration by learning dynamical systems of protein propagation in the brain. NeuroImage, 2021, 235, 117980.	2.1	10
2831	Increased functional interaction within frontoparietal network during working memory task in major depressive disorder. Human Brain Mapping, 2021, 42, 5217-5229.	1.9	11
2832	An introduction to thermodynamic integration and application to dynamic causal models. Cognitive Neurodynamics, 2022, 16, 1-15.	2.3	4
2833	Transcriptomics-informed large-scale cortical model captures topography of pharmacological neuroimaging effects of LSD. ELife, 2021, 10, .	2.8	22
2835	Super-Selective Reconstruction of Causal and Direct Connectivity With Application to in vitro iPSC Neuronal Networks. Frontiers in Neuroscience, 2021, 15, 647877.	1.4	3

#	Article	IF	CITATIONS
2836	Ensemble multi-modal brain source localization using theory of evidence. Biomedical Signal Processing and Control, 2021, 69, 102668.	3.5	0
2837	Computational exploration of dynamic mechanisms of steady state visual evoked potentials at the whole brain level. NeuroImage, 2021, 237, 118166.	2.1	15
2838	Dynamic Causal Modeling Self-Connectivity Findings in the Functional Magnetic Resonance Imaging Neuropsychiatric Literature. Frontiers in Neuroscience, 2021, 15, 636273.	1.4	9
2839	Ageing and the Ipsilateral M1 BOLD Response: A Connectivity Study. Brain Sciences, 2021, 11, 1130.	1.1	4
2840	Neuronal and Astrocytic Regulations in Schizophrenia: A Computational Modelling Study. Frontiers in Cellular Neuroscience, 2021, 15, 718459.	1.8	2
2841	Instruction Cues Increase Brain Network Complexity During Movement Preparation. Journal of Shanghai Jiaotong University (Science), 2022, 27, 202-210.	0.5	1
2842	Rendering neuronal state equations compatible with the principle of stationary action. Journal of Mathematical Neuroscience, 2021, 11, 10.	2.4	2
2843	Mental compression of spatial sequences in human working memory using numerical and geometrical primitives. Neuron, 2021, 109, 2627-2639.e4.	3.8	25
2844	Neural underpinnings of valence-action interactions triggered by cues and targets in a rewarded approach/avoidance task. Cortex, 2021, 141, 240-261.	1.1	3
2845	Early motor network connectivity after stroke: An interplay of general reorganization and stateâ€specific compensation. Human Brain Mapping, 2021, 42, 5230-5243.	1.9	20
2846	Musicianship and melodic predictability enhance neural gain in auditory cortex during pitch deviance detection. Human Brain Mapping, 2021, 42, 5595-5608.	1.9	11
2847	The role of PFC networks in cognitive control and executive function. Neuropsychopharmacology, 2022, 47, 90-103.	2.8	166
2848	Active Inference as a Computational Framework for Consciousness. Review of Philosophy and Psychology, 2022, 13, 859-878.	1.0	7
2849	Effective Connectivity in the Human Brain for Sour Taste, Retronasal Smell, and Combined Flavour. Foods, 2021, 10, 2034.	1.9	5
2850	Neural network modelling reveals changes in directional connectivity between cortical and hypothalamic regions with increased BMI. International Journal of Obesity, 2021, 45, 2447-2454.	1.6	11
2851	Neurocomputational models of altruistic decisionâ€making and social motives: Advances, pitfalls, and future directions. Wiley Interdisciplinary Reviews: Cognitive Science, 2021, 12, e1571.	1.4	8
2852	Detecting Task-Dependent Functional Connectivity in Group Iterative Multiple Model Estimation with Person-Specific Hemodynamic Response Functions. Brain Connectivity, 2021, 11, 418-429.	0.8	10
2853	Feedback from lateral occipital cortex to <scp>V1</scp> / <scp>V2</scp> triggers object completion: Evidence from functional magnetic resonance imaging and dynamic causal modeling. Human Brain Mapping, 2021, 42, 5581-5594.	1.9	10

	CITATION		
#	Article	IF	CITATIONS
2854	MEG current source reconstruction using a meta-analysis fMRI prior. NeuroImage, 2021, 236, 118034.	2.1	6
2855	Arbitration between insula and temporoparietal junction subserves framing-induced boosts in generosity during social discounting. NeuroImage, 2021, 238, 118211.	2.1	10
2856	Dynamic causal modeling of the working memory system of aneurysmal subarachnoid hemorrhage patients: Searching for targets for cortical intervention. Brain and Behavior, 2021, 11, e2307.	1.0	1
2857	Modeling brain connectivity dynamics in functional magnetic resonance imaging via particle filtering. Brain Informatics, 2021, 8, 19.	1.8	1
2858	The impact of neurofeedback on effective connectivity networks in chronic stroke patients: an exploratory study. Journal of Neural Engineering, 2021, 18, 056052.	1.8	5
2860	Effective connectivity decreases in specific brain networks with postparalysis facial synkinesis: a dynamic causal modeling study. Brain Imaging and Behavior, 2022, 16, 748-760.	1.1	3
2861	Causal reductionism and causal structures. Nature Neuroscience, 2021, 24, 1348-1355.	7.1	20
2862	Altered Effective Connectivity within an Oculomotor Control Network in Unaffected Relatives of Individuals with Schizophrenia. Brain Sciences, 2021, 11, 1228.	1.1	1
2863	Unsupervised Methods for Detection of Neural States: Case Study of Hippocampal-Amygdala Interactions. ENeuro, 2021, 8, ENEURO.0484-20.2021.	0.9	2
2864	Adiabatic dynamic causal modelling. NeuroImage, 2021, 238, 118243.	2.1	16
2867	Prefrontal Cortex Activation and Stopping Performance Underlie the Beneficial Effects of Atomoxetine on Response Inhibition in Healthy Volunteers and Those With Cocaine Use Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 1116-1126.	1.1	6
2868	Dynamic causal modeling of evoked responses during emergency braking: an ERP study. Cognitive Neurodynamics, 2022, 16, 353-363.	2.3	1
2871	Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. Communications Biology, 2021, 4, 1106.	2.0	20
2872	Effective connectivity between emotional and motor brain regions in people with psychogenic nonepileptic seizures (PNES). Epilepsy and Behavior, 2021, 122, 108085.	0.9	8
2873	The dynamic connectome of speech control. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200256.	1.8	5
2875	Effective Connectivity Between the Orbitofrontal Cortex and the Precuneus Differentiates Major Psychiatric Disorders: Results from a Transdiagnostic Spectral DCM Study. CNS and Neurological Disorders - Drug Targets, 2023, 22, 180-190.	0.8	3
2876	Reversible Fronto-occipitotemporal Signaling Complements Task Encoding and Switching under Ambiguous Cues. Cerebral Cortex, 2022, 32, 1911-1931.	1.6	11
2877	Functional networks of the brain: from connectivity restoration to dynamic integration. Physics-Uspekhi, 2021, 64, 584-616.	0.8	43

#	Article	IF	CITATIONS
2878	Discrete spectral eigenmode-resonance network of brain dynamics and connectivity. Physical Review E, 2021, 104, 034411.	0.8	1
2879	Optimal attention tuning in a neuro-computational model of the visual cortex–basal ganglia–prefrontal cortex loop. Neural Networks, 2021, 142, 534-547.	3.3	5
2880	Increased prefrontal top-down control in older adults predicts motor performance and age-group association. NeuroImage, 2021, 240, 118383.	2.1	6
2881	The immediate impact of transcranial magnetic stimulation on brain structure: Short-term neuroplasticity following one session of cTBS. NeuroImage, 2021, 240, 118375.	2.1	14
2882	Unraveling brain interactions in vision: The example of crowding. NeuroImage, 2021, 240, 118390.	2.1	3
2883	Brain preparedness: The proactive role of the cortisol awakening response in hippocampal-prefrontal functional interactions. Progress in Neurobiology, 2021, 205, 102127.	2.8	11
2884	Insula cortex gates the interplay of action observation and preparation for controlled imitation. Neuropsychologia, 2021, 161, 108021.	0.7	1
2885	Hierarchical control as a shared neurocognitive mechanism for language and music. Cognition, 2021, 216, 104847.	1.1	19
2886	Multi-source brain computing with systematic fusion for smart health. Information Fusion, 2021, 75, 150-167.	11.7	14
2887	Revisiting the effective connectivity within the distributed cortical network for face perception. NeuroImage Reports, 2021, 1, 100045.	0.5	7
2888	Predicting neuronal response properties from hemodynamic responses in the auditory cortex. NeuroImage, 2021, 244, 118575.	2.1	4
2889	Music Reward Processing and its Dysfunction: Specific Musical Anhedonia. , 2022, , 686-693.		0
2890	Understanding of Human Brain Function through Macro-scale Connectome Analysis. Japanese Journal of Neurosurgery, 2021, 30, 115-119.	0.0	0
2891	Neuroimaging Biomarkers in Pediatric Mood Disorders. , 2021, , 28-38.		0
2892	Neuroanatomical Findings in Unipolar Depression and the Role of the Hippocampus. , 2021, , 7-15.		0
2893	Optogenetic Activation of Striatal D1/D2 Medium Spiny Neurons Differentially Engages Downstream Connected Areas Beyond the Basal Ganglia. SSRN Electronic Journal, 0, , .	0.4	0
2894	Cross-Hemispheric Complementary Prefrontal Mechanisms during Task Switching under Perceptual Uncertainty. Journal of Neuroscience, 2021, 41, 2197-2213.	1.7	17
2895	A Survey on Brain Effective Connectivity Network Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1879-1899.	7.2	7

ARTICLE IF CITATIONS Interpersonal Agreement and Disagreement During Face-to-Face Dialogue: An fNIRS Investigation. 2896 1.0 25 Frontiers in Human Neuroscience, 2020, 14, 606397. Disturbed Brain Networks in the Psychosis High-Risk State?., 2021, , 217-238. Functional Connectome in Bipolar Disorder., 2021, , 59-82. 0 2899 2900 Resting-State Functional Connectivity in Unipolar Depression. , 2021, , 49-58. Causal Discovery in Linear Non-Gaussian Acyclic Model With Multiple Latent Confounders. IEEE 2901 7.2 6 Transactions on Neural Networks and Learning Systems, 2022, 33, 2816-2827. Imaging Genetic and Epigenetic Markers in Mood Disorders., 2021, , 135-150. 2902 fMRI Neurofeedback as Treatment for Depression. , 2021, , 151-165. 2903 0 Coupling between Blood Pressure and Subarachnoid Space Width Oscillations during Slow 2904 1.1 Breathing. Entropy, 2021, 23, 113. Blue-Light Therapy Strengthens Resting-State Effective Connectivity within Default-Mode Network 2905 0.7 7 after Mild TBI. Journal of Central Nervous System Disease, 2021, 13, 117957352110150. Severity Assessment of Social Anxiety Disorder Using Deep Learning Models on Brain Effective 2.6 Connectivity. IEEE Access, 2021, 9, 86899-86913. Bidirectional electric communication between the inferior occipital gyrus and the amygdala during 2908 1.9 30 face processing. Human Brain Mapping, 2017, 38, 4511-4524. Neural Systems Underlying Reward and Approach Behaviors in Childhood and Adolescence. Current 2911 0.8 Topics in Behavioral Neurosciences, 2013, 16, 167-188. Self-Organization in Clinical Psychology., 2009, , 7991-8009. 2912 11 Multisensory Functional Magnetic Resonance Imaging., 2010, , 83-92. Audiovisual Integration of Emotional Information from Voice and Face., 2013, 225-251. 2914 3 Physiology and Physics of the fMRI Signal. Biological Magnetic Resonance, 2015, , 163-213. 2915 0.4 Combination of Transcranial Magnetic Stimulation (TMS) with Functional Magnetic Resonance 2916 0.2 4 Imaging. Neuromethods, 2014, , 179-196. fMRI of Emotion. Neuromethods, 2009, , 411-456.

		CITATION RE	PORT	
#	Article		IF	CITATIONS
2918	Dynamic Causal Modelling of Brain Responses. Neuromethods, 2009, , 237-261.		0.2	1
2919	Granger Causality: Theory and Applications. Computational Biology, 2010, , 83-111.		0.1	21
2920	Challenges in the Analysis of Neuroscience Data. Springer Proceedings in Mathematics an 2018, , 131-156.	d Statistics,	0.1	1
2921	Topology Sensing in Wireless Networks by Leveraging Symmetrical Connectivity. Lecture Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering,	Notes of the 2019, , 49-57.	0.2	2
2922	Functional MRI Methods. , 2020, , 93-112.			1
2923	fMRI in Parkinson's Disease. , 2020, , 417-431.			1
2924	Comparative Analysis of Methods for Calculating the Interactions Between the Human Bra Based on Resting-State FMRI Data to Build Long-Term Cognitive Architectures. Advances i Systems and Computing, 2021, , 380-390.	ain Regions n Intelligent	0.5	2
2925	Support Vector Machines for Neuroimage Analysis: Interpretation from Discrimination. , 2	014, , 191-220.		6
2927	DCM, Conductance Based Models and Clinical Applications. Springer Series in Computation Neuroscience, 2015, , 43-70.	onal	0.3	6
2928	Minimum Partial Correlation: An Accurate and Parameter-Free Measure of Functional Conf fMRI. Lecture Notes in Computer Science, 2015, , 125-134.	nectivity in	1.0	6
2929	Connectomics in Patients with Temporal Lobe Epilepsy. Springer Series in Cognitive and N Systems, 2017, , 447-468.	leural	0.1	1
2930	Depressive Syndromes. , 2018, , 219-272.			1
2931	Dysconnectivity in Hallucinations. , 2018, , 159-171.			1
2932	Integration of EEG and fMRI. On Thinking, 2009, , 95-106.		0.5	3
2933	Models of Effective Connectivity in Neural Systems. Understanding Complex Systems, 20	07, , 303-327.	0.3	12
2934	Structural Determinants of Functional Brain Dynamics. Understanding Complex Systems, 117-147.	2007, ,	0.3	20
2935	Parallel Subspace Sampling for Particle Filtering in Dynamic Bayesian Networks. Lecture N Computer Science, 2009, , 131-146.	otes in	1.0	9
2936	Adaptive Parallel/Serial Sampling Mechanisms for Particle Filtering in Dynamic Bayesian Ne Lecture Notes in Computer Science, 2010, , 119-134.	etworks.	1.0	3

IF

CITATIONS

2937	Konnektivitä , 2013, , 457-469.		5
2938	An Introduction to MEG Connectivity Measurements. , 2014, , 321-358.		12
2939	Hierarchical Structural Mapping for Globally Optimized Estimation of Functional Networks. Lecture Notes in Computer Science, 2012, 15, 228-236.	1.0	5
2940	Modeling Connectivity in Health and Disease: Examples from the Motor System. , 2013, , 213-226.		1
2941	Determining Effective Connectivity from FMRI Data Using a Gaussian Dynamic Bayesian Network. Lecture Notes in Computer Science, 2012, , 33-39.	1.0	2
2942	Exploring High-Order Functional Interactions via Structurally-Weighted LASSO Models. Lecture Notes in Computer Science, 2013, 23, 13-24.	1.0	9
2943	Identifying Peer Influence in Online Social Networks Using Transfer Entropy. Lecture Notes in Computer Science, 2013, , 47-61.	1.0	15
2944	An Invitation to the Study of Brain Networks, with Some Statistical Analysis of Thresholding Techniques. Natural Computing Series, 2014, , 85-107.	2.2	2
2945	Sparse Representation of Higher-Order Functional Interaction Patterns in Task-Based FMRI Data. Lecture Notes in Computer Science, 2013, 16, 626-634.	1.0	13
2946	Neural Systems Underlying Reward and Approach Behaviors in Childhood and Adolescence. Current Topics in Behavioral Neurosciences, 2013, , 167-188.	0.8	14
2947	Clinical Systems Neuroscience. , 2015, , 89-114.		1
2949	History of Longitudinal Statistical Analyses. , 2015, , 1-10.		2
2950	Functional Magnetic Resonance Imaging (fMRI). , 2014, , 69-80.		3
2951	Advanced Neuroscience Technologies. , 2006, , 263-282.		2
2952	Dynamic Causal Modelling. , 2004, , 1063-1090.		8
2953	Neuronal models of ensemble dynamics. , 2007, , 391-405.		1
2954	Dynamic causal models for EEG. , 2007, , 561-576.		3
2955	Dynamic Causal Models and Bayesian selection. , 2007, , 577-585.		12

ARTICLE

#

#	Article	IF	CITATIONS
2957	Cross-network interactions in social cognition: A review of findings on task related brain activation and connectivity. Cortex, 2020, 130, 142-157.	1.1	46
2958	Amygdala–prefrontal connectivity modulates loss aversion bias in anxious individuals. NeuroImage, 2020, 218, 116957.	2.1	12
2959	Directed connectivity between primary and premotor areas underlying ankle force control in young and older adults. NeuroImage, 2020, 218, 116982.	2.1	11
2960	Incorporating structured assumptions with probabilistic graphical models in fMRI data analysis. Neuropsychologia, 2020, 144, 107500.	0.7	8
2961	The Semantic System Supports the Processing of Mathematical Principles. Neuroscience, 2019, 404, 102-118.	1.1	17
2963	Language and the developing brain: insights from neuroimaging. , 0, , 91-108.		2
2966	ERP Repetition Effects and Mismatch Negativity Generation. Journal of Psychophysiology, 2007, 21, 204-213.	0.3	100
2967	Neuroplasticity in Aphasia: A Proposed Framework of Language Recovery. Journal of Speech, Language, and Hearing Research, 2019, 62, 3973-3985.	0.7	34
2968	A source for awareness-dependent figure–ground segregation in human prefrontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30836-30847.	3.3	16
2969	On the various neural correlates of consciousness. Advances in Consciousness Research, 2015, , 177-204.	0.2	2
2970	A Role for Broca's Area Beyond Language Processing: Evidence from Neuropsychology and fMRI. , 2006, , 254-268.		16
2971	MEG: An Introduction to Methods. , 2010, , .		220
2972	3.9 Analyzing Functional and Effective Connectivity with fMRI. , 2010, , 251-268.		2
2973	The role of human orbitofrontal cortex in reward prediction and behavioral choice: insights from neuroimaging. , 2006, , 265-284.		18
2974	Separating vascular and neuronal effects of age on fMRI BOLD signals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190631.	1.8	77
3023	Imaging connectivity: MRI and the structural networks of the brain. Functional Neurology, 2013, 28, 197-203.	1.3	24
3024	Resilient modular small-world directed brain networks in healthy subjects with large-scale Granger causality analysis of resting-state functional MRI. , 2018, , .		4
3025	Graph embedding using Infomax for ASD classification and brain functional difference detection. , 2020, 11317, .		10

	Сіт	ATION REPORT	
#	Article	IF	CITATIONS
3026	Reciprocal Effects of Antidepressant Treatment on Activity and Connectivity of the Mood Regulating Circuit: An fMRI Study. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 274-282.	0.9	95
3027	How causal information affects decisions. Cognitive Research: Principles and Implications, 2020, 5, 6.	1.1	10
3028	Classical and Bayesian Inference in fMRI. Signal Processing and Communications, 2005, , 541-563.	0.2	3
3029	A Proposed Model of a Flavor Modality. Frontiers in Neuroscience, 2011, , 717-738.	0.0	10
3030	Characterization of Multisensory Integration with fMRI. Frontiers in Neuroscience, 2011, , 233-252.	0.0	7
3032	Dynamic causal modelling of COVID-19. Wellcome Open Research, 2020, 5, 89.	0.9	32
3033	Dynamic causal modelling of COVID-19. Wellcome Open Research, 2020, 5, 89.	0.9	41
3034	Neocortical Connectivity during Episodic Memory Formation. PLoS Biology, 2006, 4, e128.	2.6	96
3035	Foundations of Neuroeconomics: From Philosophy to Practice. PLoS Biology, 2008, 6, e298.	2.6	46
3036	Scalability of Asynchronous Networks Is Limited by One-to-One Mapping between Effective Connectivity and Correlations. PLoS Computational Biology, 2015, 11, e1004490.	1.5	52
3037	Bayesian Estimation of Conditional Independence Graphs Improves Functional Connectivity Estimates. PLoS Computational Biology, 2015, 11, e1004534.	1.5	14
3038	Cortico-Cortical Interactions during Acquisition and Use of a Neuroprosthetic Skill. PLoS Computational Biology, 2016, 12, e1004931.	1.5	6
3039	Functional Connectivity's Degenerate View of Brain Computation. PLoS Computational Biology, 20 12, e1005031.	D16, 1.5	32
3040	Towards a theory of cortical columns: From spiking neurons to interacting neural populations of finite size. PLoS Computational Biology, 2017, 13, e1005507.	1.5	112
3041	A state space approach for piecewise-linear recurrent neural networks for identifying computational dynamics from neural measurements. PLoS Computational Biology, 2017, 13, e1005542.	1.5	26
3042	Multivariate pattern dependence. PLoS Computational Biology, 2017, 13, e1005799.	1.5	39
3043	Altered Resting State in Diabetic Neuropathic Pain. PLoS ONE, 2009, 4, e4542.	1.1	194
3044	Big Words, Halved Brains and Small Worlds: Complex Brain Networks of Figurative Language Comprehension. PLoS ONE, 2011, 6, e19345.	1.1	4

#	Article	IF	CITATIONS
3045	Driving and Driven Architectures of Directed Small-World Human Brain Functional Networks. PLoS ONE, 2011, 6, e23460.	1.1	61
3046	Exploiting Magnetic Resonance Angiography Imaging Improves Model Estimation of BOLD Signal. PLoS ONE, 2012, 7, e31612.	1.1	8
3047	When Two Become One: The Limits of Causality Analysis of Brain Dynamics. PLoS ONE, 2012, 7, e32466.	1.1	52
3048	Top-Down Modulations from Dorsal Stream in Lexical Recognition: An Effective Connectivity fMRI Study. PLoS ONE, 2012, 7, e33337.	1.1	23
3049	Increased Neural Habituation in the Amygdala and Orbitofrontal Cortex in Social Anxiety Disorder Revealed by fMRI. PLoS ONE, 2012, 7, e50050.	1.1	82
3050	Therapeutic Subthalamic Nucleus Deep Brain Stimulation Reverses Cortico-Thalamic Coupling during Voluntary Movements in Parkinson's Disease. PLoS ONE, 2012, 7, e50270.	1.1	66
3051	Neural Bases for Individual Differences in the Subjective Experience of Short Durations (Less than 2) Tj ETQq0 0 0	rgBT /Ove	erlock 10 Tf 5 20
3052	Syntactic Computation in the Human Brain: The Degree of Merger as a Key Factor. PLoS ONE, 2013, 8, e56230.	1.1	35
3053	Changes in Effective Connectivity by Propofol Sedation. PLoS ONE, 2013, 8, e71370.	1.1	28
3054	On the Definition of Signal-To-Noise Ratio and Contrast-To-Noise Ratio for fMRI Data. PLoS ONE, 2013, 8, e77089.	1.1	370
3055	Spatio-Temporal Correlation Tensors Reveal Functional Structure in Human Brain. PLoS ONE, 2013, 8, e82107.	1.1	101
3056	Neural Mechanisms Underlying the Computation of Hierarchical Tree Structures in Mathematics. PLoS ONE, 2014, 9, e111439.	1.1	19
3057	Do Mirror Glasses Have the Same Effect on Brain Activity as a Mirror Box? Evidence from a Functional Magnetic Resonance Imaging Study with Healthy Subjects. PLoS ONE, 2015, 10, e0127694.	1.1	15
3058	Involvement of the Extrageniculate System in the Perception of Optical Illusions: A Functional Magnetic Resonance Imaging Study. PLoS ONE, 2015, 10, e0128750.	1.1	6
3059	A Graph Algorithmic Approach to Separate Direct from Indirect Neural Interactions. PLoS ONE, 2015, 10, e0140530.	1.1	12
3060	Cortical Network Models of Firing Rates in the Resting and Active States Predict BOLD Responses. PLoS ONE, 2015, 10, e0144796.	1.1	4
3061	Task-Related Edge Density (TED)—A New Method for Revealing Dynamic Network Formation in fMRI Data of the Human Brain. PLoS ONE, 2016, 11, e0158185.	1.1	10
3062	Cognitive control, attention, and the other race effect in memory. PLoS ONE, 2017, 12, e0173579.	1.1	43

# 3063	ARTICLE A model of individualized canonical microcircuits supporting cognitive operations. PLoS ONE, 2017, 12, e0188003.	IF 1.1	Citations 9
3064	Changes in network connectivity during motor imagery and execution. PLoS ONE, 2018, 13, e0190715.	1.1	71
3066	Dysfunctional insular connectivity during reward prediction in patients with first-episode psychosis. Journal of Psychiatry and Neuroscience, 2016, 41, 367-376.	1.4	36
3067	Altered reward-related effective connectivity in obsessive-compulsive disorder: an fMRI study. Journal of Psychiatry and Neuroscience, 2019, 44, 395-406.	1.4	24
3068	The neurophysiology of ketamine: an integrative review. Reviews in the Neurosciences, 2020, 31, 457-503.	1.4	24
3069	Valence-Dependent Coupling of Prefrontal-Amygdala Effective Connectivity during Facial Affect Processing. ENeuro, 2019, 6, ENEURO.0079-19.2019.	0.9	23
3070	Large-Scale Network Coupling with the Fusiform Cortex Facilitates Future Social Motivation. ENeuro, 2017, 4, ENEURO.0084-17.2017.	0.9	18
3071	Novel Intrinsic Ignition Method Measuring Local-Global Integration Characterizes Wakefulness and Deep Sleep. ENeuro, 2017, 4, ENEURO.0106-17.2017.	0.9	47
3072	A Multilevel Computational Characterization of Endophenotypes in Addiction. ENeuro, 2018, 5, ENEURO.0151-18.2018.	0.9	8
3073	Episodic Tags Enhance Striatal Valuation Signals during Temporal Discounting in pathological Gamblers. ENeuro, 2017, 4, ENEURO.0159-17.2017.	0.9	15
3074	Signature Patterns for Top-Down and Bottom-Up Information Processing via Cross-Frequency Coupling in Macaque Auditory Cortex. ENeuro, 2019, 6, ENEURO.0467-18.2019.	0.9	21
3075	Inhibitory neuromodulation of the putamen to the prefrontal cortex in Internet gaming disorder: How addiction impairs executive control. Journal of Behavioral Addictions, 2020, 9, 312-324.	1.9	27
3076	Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. Journal of Rehabilitation Research and Development, 2009, 46, 717.	1.6	80
3078	Using Psycho-physiological Interaction Analysis with fMRI Data in IS Research: A Guideline. Communications of the Association for Information Systems, 0, 40, 181-217.	0.7	6
3079	FIAR : An <i>R</i> Package for Analyzing Functional Integration in the Brain. Journal of Statistical Software, 2011, 44, .	1.8	11
3080	Open-Ended Measurement of Whole-Body Movement: A Feasibility Study. The Quantitative Methods for Psychology, 2018, 14, 38-54.	0.6	3
3081	Nicotine-Derived Compounds as Therapeutic Tools Against Post-Traumatic Stress Disorder. Current Pharmaceutical Design, 2015, 21, 3589-3595.	0.9	23
3082	Composition and Uses of Formal Clinical Cognitive Science. , 0, , 1-84.		5

	CIAI	ION REPORT	
#	Article	IF	Citations
3083	Bayesian inference, predictive coding and delusions. Avant, 2014, V, 51-88.	0.1	36
3084	Schizophrenia and abnormal brain network hubs. Dialogues in Clinical Neuroscience, 2013, 15, 339-349.	1.8	173
3085	Functional neuroimaging and schizophrenia: a view towards effective connectivity modeling and polygenic risk. Dialogues in Clinical Neuroscience, 2013, 15, 279-289.	1.8	35
3086	Altered Prefrontal–Basal Ganglia Effective Connectivity in Patients With Poststroke Cognitive Impairment. Frontiers in Neurology, 2020, 11, 577482.	1.1	3
3087	New Levels of Language Processing Complexity and Organization Revealed by Granger Causation. Frontiers in Psychology, 2012, 3, 506.	1.1	13
3088	Review of Methods for Functional Brain Integration Detection Using fMRI. Sheng Wu Wu Li Hsueh Bao, 2011, 27, 18-27.	0.1	1
3091	Inhibitory control and the adolescent brain: A review of fMRI research Psychology and Neuroscience, 2013, 6, 23-30.	0.5	9
3093	Small-world brain networks in schizophrenia. Shanghai Archives of Psychiatry, 2012, 24, 322-7.	0.7	6
3094	Dynamic Causal Models and Autopoietic Systems. Biological Research, 2007, 40, .	1.5	10
3095	Changes in brain functional network connectivity after stroke. Neural Regeneration Research, 2014, 9, 51.	1.6	25
3096	Modes and models in disorders of consciousness science. Archives Italiennes De Biologie, 2012, 150, 172-84.	0.1	19
3097	Bayesian Models of Brain and Behaviour. , 2012, 2012, 1-19.		19
3098	fMRI resting state time series causality: comparison of Granger causality and phase slope index. International Journal of Research in Medical Sciences, 2014, 2, 47.	0.0	3
3100	Dynamic Causal Modeling of Effective Connectivity During Anger Experience in Healthy Young Men: 7T Magnetic Resonance Imaging Study. , 2019, 15, 52-62.		13
3101	Bayesian Treatments of Neuroimaging Data. , 2006, , 92-111.		2
3102	The hierarchical organization of the lateral prefrontal cortex. ELife, 2016, 5, .	2.8	155
3103	The cortical connectivity of the periaqueductal gray and the conditioned response to the threat of breathlessness. ELife, 2017, 6, .	2.8	62
3104	Causal evidence for lateral prefrontal cortex dynamics supporting cognitive control. ELife, 2017, 6, .	2.8	53

#	Article	IF	CITATIONS
3105	An afferent white matter pathway from the pulvinar to the amygdala facilitates fear recognition. ELife, 2019, 8, .	2.8	77
3106	Anterior insular cortex plays a critical role in interoceptive attention. ELife, 2019, 8, .	2.8	99
3107	Reconfiguration of functional brain networks and metabolic cost converge during task performance. ELife, 2020, 9, .	2.8	49
3108	Improving emotional-action control by targeting long-range phase-amplitude neuronal coupling. ELife, 2020, 9, .	2.8	22
3109	Regulation of cerebral blood flow during stimulus-induced brain activation: Instructions for the correct interpretation of fNIRS signals. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 91-100.	0.2	2
3110	Data-based intervention approach for Complexity-Causality measure. PeerJ Computer Science, 2019, 5, e196.	2.7	12
3111	Modulatory interactions between the default mode network and task positive networks in resting-state. PeerJ, 2014, 2, e367.	0.9	82
3112	Atypically high influence of subcortical activity on primary sensory regions in autism. NeuroImage: Clinical, 2021, 32, 102839.	1.4	9
3113	Effective connectivity extracts clinically relevant prognostic information from resting state activity in stroke. Brain Communications, 2021, 3, fcab233.	1.5	15
3114	The gut microbiome as a biomarker of differential susceptibility to SARS-CoV-2. Trends in Molecular Medicine, 2021, 27, 1115-1134.	3.5	37
3115	The contributions of the ventral and the dorsal visual streams to the automatic processing of action relations of familiar and unfamiliar object pairs. NeuroImage, 2021, 245, 118629-118629.	2.1	0
3116	Imaging in Huntington's. Neuromethods, 2022, , 457-505.	0.2	0
3117	Effective connectivity of brain networks controlling human thermoregulation. Brain Structure and Function, 2022, 227, 299-312.	1.2	7
3118	Conductance-based dynamic causal modeling: A mathematical review of its application to cross-power spectral densities. NeuroImage, 2021, 245, 118662.	2.1	10
3119	neurolib: A Simulation Framework for Whole-Brain Neural Mass Modeling. Cognitive Computation, 2023, 15, 1132-1152.	3.6	22
3120	Brain functional and effective connectivity based on electroencephalography recordings: A review. Human Brain Mapping, 2022, 43, 860-879.	1.9	72
3121	The Emperor's New Markov Blankets. Behavioral and Brain Sciences, 2022, 45, 1-63.	0.4	43
3122	Imbalanced basal ganglia connectivity is associated with motor deficits and apathy in Huntington's disease. Brain, 2022, 145, 991-1000.	3.7	11

ARTICLE IF CITATIONS mTOR-related synaptic pathology causes autism spectrum disorder-associated functional 3123 5.8 66 hyperconnectivity. Nature Communications, 2021, 12, 6084. Simultaneous Normalization and Compensatory Changes in Right Hemisphere Connectivity during 3124 1.1 Aphasia Therapy. Brain Sciences, 2021, 11, 1330. Time-of-Day Effects in Resting-State Functional Magnetic Resonance Imaging: Changes in Effective 3125 0.8 15 Connectivity and Blood Oxygenation Level Dependent Signal. Brain Connectivity, 2022, 12, 515-523. Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. 0.8 Brain Connectivity, 2022, 12, 670-682. Identification of community structure-based brain states and transitions using functional MRI. 3129 2.1 4 Neurolmage, 2021, 244, 118635. Clinical applications of magnetic resonance imaging based functional and structural connectivity. NeuroImage, 2021, 244, 118649. 3130 2.1 Insights into Brain Connectivity Using Quantitative MRI Measures of White Matter. Understanding 3132 0.3 2 Complex Systems, 2007, , 221-271. Learning Structural Equation Models for fMRI., 2007, , 1329-1336. 3134 Imaging Brain Attention Systems: Control and Selection in Vision. Neuromethods, 2009, , 353-377. 0.2 0 Integration of Measures of Functional and Structural MRI. Neuromethods, 2009, , 785-809. 0.2 Self-Organization in Clinical Psychology., 2009, , 263-285. 3136 0 Investigating connectional characteristics of Motor Cortex network. Journal of Biomedical Science and Engineering, 2009, 02, 30-35. Resolving anisotropic microstructures and connectivity by means of diffusion weighted MR imaging: 3138 0.2 0 towards clinical applicability. IFMBE Proceedings, 2009, , 242-245. Multivariate methods for tracking cognitive states., 2009, , 299-330. 3139 Functional Magnetic Resonance Imaging in Drug Development., 2010, , 67-89. 0 3140 Modeling of Circuits within Networks by fMRI. Wireless Sensor Network, 2010, 02, 208-217. 3141 Multi-level Models., 2010, , 527-554. 3142 3 Why mind feels pain: Current status of studies on ostracism from social neuroscience. Japanese 3143 Journal of Physiological Psychology and Psychophysiology, 2010, 28, 29-44.

#	Article	IF	CITATIONS
3144	Parallel EEG-fMRI ICA Decomposition. , 2010, , 175-194.		0
3145	4.2 Clinical Applications: Epilepsy. , 2010, , 295-310.		0
3147	Functional Connectivity MR Imaging. , 2011, , 355-371.		4
3148	Quantifying the Dynamics of Central Systemic Degeneration in Schizophrenia. , 2011, , 187-217.		0
3149	Granger Causality. , 2011, , 511-532.		0
3150	Funktionelle kortikale Korrelate der Handfunktion. , 2011, , 415-432.		0
3151	Characterization of Multisensory Integration with fMRI. Frontiers in Neuroscience, 2011, , 233-252.	0.0	5
3152	Management of Epilepsy - Research, Results and Treatment. , 2011, , .		3
3153	Advances in neuroimaging techniques: implications for the shared syntactic integration resource hypothesis. , 2011, , 235-241.		1
3154	Forced and Multiple Choice. , 2011, , 357-380.		0
3155	Free Description, Questionnaires, and Rating Scales. , 2011, , 325-356.		0
3156	Art Compositions Elicit Distributed Activation in the Human Brain. , 2011, , 337-351.		3
3157	Hemodynamic Imaging: Functional Magnetic Resonance Imaging. Springer Handbook of Auditory Research, 2012, , 129-162.	0.3	0
3159	Cocaine, Appetitive Memory and Neural Connectivity. , 2012, S7, 003.		0
3160	Effects of Cortical Stimulation on Cortical Functional Connectivity: Imaging Studies. , 2012, , 71-91.		0
3161	Functional Holography and Cliques in Brain Activation Patterns. , 0, , .		0
3162	Neurocognitive Methods in Higher Cognition. , 2012, , .		1
3163	Systemische Forschung – ein Methodenüberblick. , 2012, , 33-68.		7

3164 Craphical Models of Functional M8I Data for Assessing Brain Connectivity, 0, 0 3165 Neuroinaging Studies of Bipolar and Unipolar Depression., 2012, 125-146. 1 3167 Causality Analysis of Multivariate Neural Data, 2012, 1-26. 0 3168 PMR in Parkmannäć ¹⁴⁴ Diaezase., 2013, 227-238. 0 3169 Dynamic Causal Modeling with Neural Population Models., 2013, 1.4. 0 3172 Auditorisches System., 2013, 345-358. 0 3183 Supervision als neurowissenschaftled. Inspirer Lehr-Lemr-Process: Facetten einer 0 3173 MRI Effective Connectivity Study., 2013, 133-192. 0 3174 NuR Effective Connectivity Study., 2014, 113-141. 0 3189 Inageng Analysis, Bayesian., 2014, 14. 0 3181 IntegraciAPn de la estimulaciAPn magn&@tica transcraneal con tA@cinicas de neuroimagen., 2014, 55-66. 0 3183 Sportenscreen Merida Science, Jolf, 13, 142-21-33. 0.1 0 3184 IntegraciAPn de la estimulaciAPn magn&@tica transcraneal con tA@cinicas de neuroimagen., 2014, 55-66. 0 3184 IntegraciAPn de la estimulaciAPn magn&@tica transcraneal con tA@cinicas de neuroimagen., 2014, 55-66. 0 3185 Spontanceus Activity, Models of., 2014,			TATION REPORT	
3165 Neuroimaging Studies of Bipolar and Unipolar Depression. 2012, 125-146. 1 3167 Causality Analysis of Multivariate Neural Data., 2012, 1-26. 0 3168 RMRI In Parkmonad C** Disease., 2013, 227-238. 0 3169 Dynamic Causal Modeling with Neural Population Models., 2013, 1-4. 0 3171 Auditorisches System., 2013, 345-358. 0 3172 A Primer on Information Theory with Applications to Neuroscience., 2013, 135-192. 7 3173 Tool 2uri integriteria Analyse von Struktur, Funktion und KonnekthörAlt SPM Anatomy Toolbox., 2013. 0 3175 Supervision als neurowissenschaftlich insplierter Lehr-Lem-Prozess: Facetten einer 0 3176 Systemische Neurowissenschaftlich insplierter Lehr-Lem-Prozess: Facetten einer 0 3179 MRI Effective Connectivity Study., 2014., 113-141. 0 3181 IntegraciAPn die la estimulaciAPn magn&@tica transcraneal con t&@cnicas die neuroimagen., 2014., 55-66. 0 3182 Imaging Analysis, Bayeslan., 2014., 1-4. 0 0 3183 Spontaneous Activity, Models of., 2014., 1-5. 0 0 3184 IntegraciAPn die la estimulaciAPn and Systemis Sul-systemis Sule-system System System Sule., 2014., 647-672. 0 31845 </td <td></td> <td></td> <td>IF</td> <td>CITATIONS</td>			IF	CITATIONS
3167 Causality Analysis of Multivariate Neural Data., 2012,, 1-26. 0 3168 IMRI in Parkinsonä C ¹⁴ s Disease, 2013, 227-238. 0 3169 Dynamic Causal Modeling with Neural Population Models., 2013,, 1-4. 0 3171 Auditorisches Systemi., 2013,, 345-358. 0 3172 A Primer on Information Theory with Applications to Neuroscience., 2013,, 135-192. 7 3173 Tool zur Integrierten Analyse von Struktur, Funktion und Konnektwit/M SPM Anatomy Toolbox., 2013, 0 3176 Supervision als neurowissenschaftlich inspirierter Lehr-Lem-Process: Facetten einer 0 3176 Systemische Neurowissenschaftlich inspirierter Lehr-Lem-Process: Facetten einer 0 3176 Imaging Analysis, Bayesian., 2014., 14. 0 3181 IntegracikAn de la estimulaciAn magnA@tica transcraneal con tA@cnicas de neuroimagen., 2014., 55-66. 0 3182 Mediang Synchronized Neuronal Artistisc by Questum Constrained Probabilistic Computational 0.1 0 3183 IntegracikAn de la estimulaciAn magnA@tica transcraneal con tA@cnicas de neuroimagen., 2014., 55-66. <td>3164</td> <td>Graphical Models of Functional MRI Data for Assessing Brain Connectivity. , 0, , .</td> <td></td> <td>0</td>	3164	Graphical Models of Functional MRI Data for Assessing Brain Connectivity. , 0, , .		0
1108 IMRI in Parkinson&C ¹⁴ s Disease: , 2013, , 227-238. 0 13169 Dynamic Causal Modeling with Neural Population Models. , 2013, , 14. 0 13171 Auditorisches System, , 2013, , 345-358. 0 13172 A Primer on Information Theory with Applications to Neuroscience. , 2013, , 135-192. 7 13173 Tool zur Integrierten Analyse von Struktur, Funktion und KonnektivitÄß SPM Anatomy Toolbox. , 2013. 0 13175 Supervision als neurowissenschaftlich inspirater Lehr-Lem-Prozess: Facetten einer AgeshimgerechtenAss Supervision. , 2013., , 224-244. 0 13176 Systemische Neurowissenschaftlich inspirater Lehr-Lem-Prozess: Facetten einer AgeshimgerechtenAss Supervision. , 2013., 224-244. 0 13176 Systemische Neurowissenschaften und systemische Therapie. , 2013., 34-62. 0 13180 Imaging Analysis. Bayesian. , 2014., 113-141. 0 13181 IntegracitÄn de la estimulacitÄn magnÄ@tica transcraneal con tÄ@cnicas de neuroimagen. , 2014., 55-66. 0 13182 Yendeling Synchronited Neuronal Activities by Duantum Construienter Fron a Systems View. IEEJ 0.1 13183 Spontaneous Activity, Models of. , 2014., 1-5. 0 13184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014., 647-672. 0 13185 <td>3165</td> <td>Neuroimaging Studies of Bipolar and Unipolar Depression. , 2012, , 125-146.</td> <td></td> <td>1</td>	3165	Neuroimaging Studies of Bipolar and Unipolar Depression. , 2012, , 125-146.		1
31309 Dynamic Causal Modeling with Neural Population Models., 2013,, 14. 0 3171 Auditorisches System., 2013,, 345-358. 0 3172 A Primer on Information Theory with Applications to Neuroscience., 2013,, 135-192. 7 3173 Tool zur Integrierten Analyse von Struktur, Funktion und KonnektivitÄtt SPM Anatomy Toolbox., 2013, ,779-797. 0 3176 Supervision als neurowissenschaftlich insplitierter Lehr-Lem-Prozess: Facetten einer Å-geltingerechtenÄk Supervision., 2013,, 224-244. 0 3176 Systemilsche Neurowissenschaftlich insplitierter Lehr-Lem-Prozess: Facetten einer Å-geltingerechtenÄk Supervision., 2014,, 2014,, 113-141. 0 3180 Imaging Analysis, Bayeslan., 2014,, 1-4. 0 3181 Integracik ³ n de la estimulacik ³ n magnÅ@tica transcraneal con tÅ@cnicas de neuroimagen., 2014,, 55-66. 0 3182 Modeling Synchronizaed Neuronal Activities by Quantum Constrained Probabilistic Computational Neuroscheretic Method: Insplit in the Coupling among Patific Supstems from a Systems View. IEEI 0.1 0 3183 Spontaneous Activity, Models of., 2014,, 1-5. 0 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies., 2014,, 647-672. 0 3186 Multiscale Brain Connectivity., 2014,, 1-3. 0	3167	Causality Analysis of Multivariate Neural Data. , 2012, , 1-26.		0
3171 Auditorisches System, 2013, 345-358. 0 3172 APrimer on Information Theory with Applications to Neuroscience., 2013, 135-192. 7 3173 Tool zur integrierten Analyse von Struktur, Funktion und KonnektivitÄr SPM Anatomy Toolbox, 2013, 0 3173 Supervision als neurowissenschaftlich Inspirierter Lehr-Lern-Prozess: Facetten einer AngehirngerechtenA« Supervision, 2013, 224-244. 0 3176 Systemische Neurowissenschaftlich Inspirierter Lehr-Lern-Prozess: Facetten einer AngehirngerechtenA« Supervision, 2013, 224-244. 0 3176 Systemische Neurowissenschaften und systemische Therapie., 2013, 34-62. 0 3178 fMRI Effective Connectivity Study., 2014, 113-141. 0 3180 Imaging Analysis, Bayesian., 2014, 14. 0 3181 IntegraciA ³ n de la estimulaciA ³ n magnÄOtica transcraneal con tÄOcnicas de neuroimagen., 2014, 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational Neuro Coenetic Method: Insight finto the Coupling emong Brain's Sub-systems from a Systems View. IEEJ 0.1 0 3183 Spontaneous Activity, Models of., 2014, 1-5. 0 0 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies., 2014, 647-672. 0 0 3186	3168	fMRI in Parkinson's Disease. , 2013, , 227-238.		0
3172 A Primer on Information Theory with Applications to Neuroscience. , 2013, , 135-192. 7 3173 Tool zur integrierten Analyse von Struktur, Funktion und KonnektivitÄt SPM Anatomy Toolbox. , 2013, , 779-797. 0 3175 Supervision als neurowissenschaftlich inspirierter Lehr-Lern-Prozess: Facetten einer Agehimgerechtenī Supervision. , 2013, , 224-244. 0 3176 Systemische Neurowissenschaftlen und systemische Therapie. , 2013, , 34-62. 0 3178 fMRI Effective Connectivity Study. , 2014, , 113-141. 0 3180 Imaging Analysis, Bayesian. , 2014, , 1-4. 0 3181 IntegraciÄ ³ h de la estimulaciÄ ³ h magnÄ@tica transcraneal con tÄ@cnicas de neuroImagen. , 2014, , 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational Neuro-Genetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 0 3183 Spontaneous Activity, Models of. , 2014, , 1-5. 0 0 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 0 3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0 0 0	3169	Dynamic Causal Modeling with Neural Population Models. , 2013, , 1-4.		0
3173 Tool zur integrierten Analyse von Struktur, Funktion und KonnektivitÄt SPM Anatomy Toolbox., 2013, ,779-797. 0 3175 Supervision als neurowissenschaftlich inspirierter Lehr-Lern-Prozess: Facetten einer AwgehimgerechtenÄw Supervision., 2013,, 224-244. 0 3176 Systemische Neurowissenschaftlich inspirierter Lehr-Lern-Prozess: Facetten einer AwgehimgerechtenÄw Supervision., 2013,, 224-244. 0 3176 Systemische Neurowissenschaftlen und systemische Therapie., 2013,, 34-62. 0 3178 fMRI Effective Connectivity Study., 2014,, 113-141. 0 3180 Imaging Analysis, Bayesian., 2014,, 1-4. 0 3181 IntegracitÄ ³ n de la estimulaciÄ ³ n magnÄ@tica transcraneal con tÄ@cnicas de neuroimagen., 2014,, 55-66. 0 3182 Neuro-Cenetic Mehod: Insight into the Coupling among Brains Sub-systems From a Systems View. IEEJ 0.1 0 3183 Spontaneous Activity, Models of., 2014,, 1-5. 0 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies., 2014,, 647-672. 0 3186 Multiscale Brain Connectivity., 2014,, 1-3. 0	3171	Auditorisches System. , 2013, , 345-358.		ο
3173 ,779-797. 0 3175 Supervision als neurowissenschaftlich inspirierter Lehr-Lern-Prozess: Facetten einer 0 3176 Systemische Neurowissenschaften und systemische Therapie. , 2013, , 34-62. 0 3178 fMRI Effective Connectivity Study. , 2014, , 113-141. 0 3180 Imaging Analysis, Bayesian. , 2014, , 1-4. 0 3181 IntegraciÅ ³ n de la estimulaciÅ ³ n magnÅ@tica transcraneal con tÅ@cnicas de neuroimagen. , 2014, , 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational 0 3183 Spontaneous Activity, Models of. , 2014, , 1-5. 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 3184 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3172	A Primer on Information Theory with Applications to Neuroscience. , 2013, , 135-192.		7
3173 AvgehimgerechtenA« Supervision., 2013, ,224-244. 0 3176 Systemische Neurowissenschaften und systemische Therapie., 2013, ,34-62. 0 3178 fMRI Effective Connectivity Study., 2014, ,113-141. 0 3180 Imaging Analysis, Bayesian., 2014., 1-4. 0 3181 IntegraciÄ ³ n de la estimulaciÄ ³ n magnÄ©tica transcraneal con tÄ©cnicas de neuroimagen., 2014., 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational Transactions on Electronics, Information and Systems, 2014, 134, 1628-1633. 0 3183 Spontaneous Activity, Models of., 2014., 1-5. 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies., 2014., 647-672. 0 3186 Multiscale Brain Connectivity., 2014., 1-3. 0	3173	Tool zur integrierten Analyse von Struktur, Funktion und Konnektivitä SPM Anatomy Toolbox. , 2013 , 779-797.	8,	0
3178 fMRI Effective Connectivity Study., 2014, , 113-141. o 3180 Imaging Analysis, Bayesian., 2014, , 1-4. o 3181 IntegraciĀ ³ n de la estimulaciĀ ³ n magnĀ@tica transcraneal con tĀ@cnicas de neuroimagen., 2014, , 55-66. o 3181 IntegraciĀ ³ n de la estimulaciĀ ³ n magnĀ@tica transcraneal con tĀ@cnicas de neuroimagen., 2014, , 55-66. o 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational 0.1 o 3183 Neuro-Cenetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 o 3183 Spontaneous Activity, Models of., 2014, , 1-5. o o 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies., 2014, , 647-672. o 3186 Multiscale Brain Connectivity., 2014, , 1-3. o	3175	Supervision als neurowissenschaftlich inspirierter Lehr-Lern-Prozess: Facetten einer »gehirngerechten« Supervision. , 2013, , 224-244.		0
3180 Imaging Analysis, Bayesian. , 2014, , 1-4. 0 3181 IntegraciĀ ³ n de la estimulaciĀ ³ n magnética transcraneal con técnicas de neuroimagen. , 2014, , 55-66. 0 3181 IntegraciÃ ³ n de la estimulaciÃ ³ n magnética transcraneal con técnicas de neuroimagen. , 2014, , 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational Neuro-Genetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 0 3182 Spontaneous Activity, Models of. , 2014, , 1-5. 0 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3176	Systemische Neurowissenschaften und systemische Therapie. , 2013, , 34-62.		о
3181 IntegraciÃ ³ n de la estimulaciÃ ³ n magnética transcraneal con técnicas de neuroimagen. , 2014, , 55-66. 0 3181 IntegraciÃ ³ n de la estimulaciÃ ³ n magnética transcraneal con técnicas de neuroimagen. , 2014, , 55-66. 0 3182 Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational Neuro-Genetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 0 3183 Spontaneous Activity, Models of. , 2014, , 1-5. 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3178	fMRI Effective Connectivity Study. , 2014, , 113-141.		0
Modeling Synchronized Neuronal Activities by Quantum Constrained Probabilistic Computational 0.1 0 Biss Neuro-Genetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 0 Biss Spontaneous Activity, Models of. , 2014, , 1-5. 0 0 Biss Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 Biss Multiscale Brain Connectivity. , 2014, , 1-3. 0	3180	Imaging Analysis, Bayesian. , 2014, , 1-4.		О
3182 Neuro-Genétic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IEEJ 0.1 0 3183 Spontaneous on Electronics, Information and Systems, 2014, 134, 1628-1633. 0 3183 Spontaneous Activity, Models of. , 2014, , 1-5. 0 3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3181	Integración de la estimulación magnética transcraneal con técnicas de neuroimagen. , 2014, , S	55-66.	0
3184 Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672. 0 3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3182	Neuro-Genetic Method: Insight into the Coupling among Brain's Sub-systems from a Systems View. IE	EJ 0.1	ο
3186 Multiscale Brain Connectivity. , 2014, , 1-3. 0	3183	Spontaneous Activity, Models of. , 2014, , 1-5.		0
	3184	Statistical Methods for fMRI Activation and Effective Connectivity Studies. , 2014, , 647-672.		0
3187 Review of Schizophrenia Research Using MEG 2014 849-874 5	3186	Multiscale Brain Connectivity. , 2014, , 1-3.		0
	3187	Review of Schizophrenia Research Using MEC. , 2014, , 849-874.		5

#	ARTICLE Interdisciplinary Research of Brain and Information Networks. The Brain & Neural Networks, 2014, 21,	IF 0.1	Citations
3189	57-63. Linear and Nonlinear Models of BOLD Signals Scanned by fMRI. The Brain & Neural Networks, 2014, 21, 87-92.	0.1	0
3190	Capturing Connectivity and Causality from Process Knowledge. SpringerBriefs in Applied Sciences and Technology, 2014, , 23-39.	0.2	1
3191	Biophysical Models: Neurovascular Coupling, Cortical Microcircuits, and Metabolism. , 2014, , 1-15.		0
3192	Dynamic Causal Modeling with Neural Population Models. , 2014, , 1-4.		0
3193	Characterization of the synaptic mechanisms underlying seizure onset with Dynamic Causal Modelling. Frontiers in Human Neuroscience, 0, 8, .	1.0	0
3194	Max-Margin Based Learning for Discriminative Bayesian Network from Neuroimaging Data. Lecture Notes in Computer Science, 2014, 17, 321-328.	1.0	1
3195	A Nonlinear Circuit Network Toward Brain Voxel Modeling. IEICE Proceeding Series, 2014, 2, 421-424.	0.0	0
3196	Reliability of Dynamic Causal Modeling using the Statistical Parametric Mapping Toolbox. International Journal of System Dynamics Applications, 2014, 3, 1-16.	0.3	3
3197	Functional Connectivity MR Imaging. , 2015, , 83-104.		0
3198	Effects of Anesthesia on Effective Connectivity in the Brain. World Journal of Neuroscience, 2015, 05, 99-107.	0.1	1
3199	Basis of Graph Theory on Brain Imaging Study. Japanese Journal of Physiological Psychology and Psychophysiology, 2015, 33, 231-238.	0.0	5
3200	Pulse Sequences for fMRI. Biological Magnetic Resonance, 2015, , 131-162.	0.4	3
3201	Neurophysiologische Untersuchungsmethoden in der Psychiatrie. , 2015, , 1-27.		1
3202	Imaging Analysis, Bayesian. , 2015, , 1419-1422.		0
3203	Measuring Asymmetric Interactions in Resting State Brain Networks. Lecture Notes in Computer Science, 2015, 24, 399-410.	1.0	2
3204	Introduction to Functional Brain Connectivity: Potential Contributions to Understanding Adolescent Vulnerability to Substance Abuse. , 2015, , 181-199.		0
3205	Depressive Syndrome. , 2016, , 231-268.		0

	CHAIDI	N KEPORT	
# 3206	ARTICLE Various Approaches to Decision Making. , 2016, , 23-49.	IF	CITATIONS
3212	Statistical methods for modelling functional neuro-connectivity. Ungyong T'onggye Yon'gu = the Korean Journal of Applied Statistics, 2016, 29, 1129-1145.	0.0	0
3218	Model Complexity and Selection. Bernstein Series in Computational Neuroscience, 2017, , 73-83.	0.0	0
3219	Imaging in Neurology Research II: Exploring Plasticity and Cognitive Networks by In Vivo MRI. , 2017, , 727-760.		0
3220	Limits and Derivatives. , 2017, , 163-197.		0
3221	Time Series from a Nonlinear Dynamical Systems Perspective. Bernstein Series in Computational Neuroscience, 2017, , 199-263.	0.0	0
3222	Modeling Task fMRI Data via Deep Convolutional Autoencoder. Lecture Notes in Computer Science, 2017, , 411-424.	1.0	8
3223	History of Longitudinal Statistical Analyses. , 2017, , 1094-1102.		0
3224	Pandora's Box. , 2017, , 41-83.		0
3225	Regression Problems. Bernstein Series in Computational Neuroscience, 2017, , 33-56.	0.0	0
3226	Causal Modeling: Methods and Their Application to Speech and Language. Innovations in Cognitive Neuroscience, 2017, , 155-174.	0.3	0
3227	Gesamtliteraturverzeichnis. , 2017, , 1-153.		0
3228	Observing and Learning Complex Actions: On the Example of Guitar Playing. , 2017, , 1-13.		0
3231	Neurophysiologische Untersuchungsmethoden in der Psychiatrie. , 2017, , 685-710.		0
3249	Data-Adaptive Estimation in Cluster Randomized Trials. Springer Series in Statistics, 2018, , 195-215.	0.9	0
3250	Personality Is Reflected in Brain Morphometry. Neuromethods, 2018, , 451-468.	0.2	0
3251	Observing and Learning Complex Actions: On the Example of Guitar Playing. , 2018, , 1859-1871.		0
3252	Detection of Music-Induced Emotion Changes by Functional Brain Networks. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2018, , 155-177.	0.5	0

#	Article	IF	Citations
3254	Investigating large-scale Granger causality analysis in presence of noise and varying sampling rate. , 2018, , .		0
3262	Estimating the Topology of Neural Networks from Distributed Observations. , 2018, , .		0
3267	Wie sicher ist Künstliche Intelligenz?. Technik Im Fokus, 2019, , 245-265.	0.2	0
3269	Imaging Connectomics and the Understanding of Brain Diseases. Advances in Experimental Medicine and Biology, 2019, 1192, 139-158.	0.8	0
3270	Functional Brain Network Estimation Based on Weighted BOLD Signals for MCI Identification. Lecture Notes in Computer Science, 2019, , 29-40.	1.0	1
3271	Connectivity Analysis. , 2019, , 241-266.		3
3272	An Introduction to MEG Connectivity Measurements. , 2019, , 433-470.		0
3273	MEG Studies on the Connectivity of Brain Networks in Children. , 2019, , 733-756.		0
3275	Review of Schizophrenia Research Using MEC. , 2019, , 1-26.		1
3276	MEG Studies on the Connectivity of Brain Networks in Children. , 2019, , 1-24.		0
3278	Identification of Abnormal Circuit Dynamics in Major Depressive Disorder via Multiscale Neural Modeling of Resting-State fMRI. Lecture Notes in Computer Science, 2019, 11766, 682-690.	1.0	2
3280	Review of Schizophrenia Research Using MEG. , 2019, , 1121-1146.		1
3281	Discriminative Analysis of Nonlinear Functional Connectivity in Schizophrenia. , 2019, , 35-54.		0
3282	An Introduction to MEG Connectivity Measurements. , 2019, , 1-38.		0
3284	Sparse low-dimensional causal modeling for the analysis of brain function. , 2019, , .		2
3305	How Safe Is Artificial Intelligence?. Technik Im Fokus, 2020, , 243-266.	0.2	1
3313	Combining Transcranial Magnetic Stimulation with (f)MRI. , 2020, , 157-174.		0
3314	Exploring Functional and Causal Connectivity in the Brain. , 2020, , 415-432.		Ο

#	Article	IF	CITATIONS
3315	Neuroergonomics Behind Culture: A Dynamic Causal Modeling (DCM) Study on Emotion. Lecture Notes in Computer Science, 2020, , 216-226.	1.0	0
3318	Effects of olfactory training on resting-state effective connectivity in patients with posttraumatic olfactory dysfunction. Acta Neurobiologiae Experimentalis, 2020, 80, 381-388.	0.4	6
3319	EEG Connectivity Pattern: A Window into the Schizophrenia Mind?. , 2020, , 227-240.		0
3322	Effective connectivity differences in motor network during passive movement of paretic and non-paretic ankles in subacute stroke patients. PeerJ, 2020, 8, e8942.	0.9	1
3331	Cognitive Capacity Limits Are Remediated by Practice-Induced Plasticity between the Putamen and Pre-Supplementary Motor Area. ENeuro, 2020, 7, ENEURO.0139-20.2020.	0.9	2
3336	Spectral dynamic causal modelling of resting-state fMRI: an exploratory study relating effective brain connectivity in the default mode network to genetics. Statistical Applications in Genetics and Molecular Biology, 2020, 19, .	0.2	3
3337	Sub-optimal modulation of gain by the cognitive control system in young adults with early psychosis. Translational Psychiatry, 2021, 11, 549.	2.4	5
3338	Integrative Models of Brain Structure and Dynamics: Concepts, Challenges, and Methods. Frontiers in Neuroscience, 2021, 15, 752332.	1.4	14
3340	Classification of Right/Left Hand Motor Imagery by Effective Connectivity Based on Transfer Entropy in EEG Signal. Basic and Clinical Neuroscience, 0, , 1-22.	0.3	0
3341	Identifying spatio-temporal seizure propagation patterns in epilepsy using Bayesian inference. Communications Biology, 2021, 4, 1244.	2.0	18
3342	Precision control for a flexible body representation. Neuroscience and Biobehavioral Reviews, 2022, 134, 104401.	2.9	38
3346	A dynamic causal model on self-regulation of aversive emotion. Brain Informatics, 2020, 7, 20.	1.8	1
3348	Neural diffusivity and pre-emptive epileptic seizure intervention. PLoS Computational Biology, 2020, 16, e1008448.	1.5	1
3349	Dynamic Causal Modeling on the Identification of Interacting Networks in the Brain: A Systematic Review. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2299-2311.	2.7	3
3352	fMRI Data Analysis Using SPM. , 2020, , 89-116.		1
3355	Lateralized memory circuit dropout in Alzheimer's disease patients. Brain Communications, 2020, 2, fcaa212.	1.5	6
3356	TIME-VARYING ESTIMATION AND DYNAMIC MODEL SELECTION WITH AN APPLICATION OF NETWORK DATA. Statistica Sinica, 2020, , .	0.2	0
3357	Computational psychiatry: A new perspective on research and clinical applications in depression. Advances in Psychological Science, 2020, 28, 111.	0.2	0

#	Article	IF	CITATIONS
3358	Construction of functional brain connectivity from fMRI data with driving and modulatory inputs: an extended conditional Granger causality approach. AIMS Neuroscience, 2020, 7, 66-88.	1.0	1
3359	Modeling Connectivity in Health and Disease: Examples from the Motor System. , 2020, , 321-334.		0
3360	Functional Brain Network Learning Based on Spatial Similarity for Brain Disorders Identification. Journal of Applied Mathematics and Physics, 2020, 08, 2427-2437.	0.2	2
3364	Measuring High-Order Interactions in Rhythmic Processes Through Multivariate Spectral Information Decomposition. IEEE Access, 2021, 9, 149486-149505.	2.6	10
3365	Estimating causal effects in studies of human brain function: New models, methods and estimands. Annals of Applied Statistics, 2020, 14, 452-472.	0.5	1
3369	Air pollution interacts with genetic risk to influence cortical networks implicated in depression. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
3371	Effective Connectivity during an Avoidance-Based Pavlovian-to-Instrumental Transfer Task. Brain Sciences, 2021, 11, 1472.	1.1	2
3373	Lateralit¤und Konnektivit¤ , 2007, , 333-349.		1
3374	Effects of Cortical Stimulation on Cortical Functional Connectivity: Imaging Studies. , 2012, , 71-91.		0
3375	Effective brain connectivity for fNIRS data analysis based on multi-delays symbolic phase transfer entropy. Journal of Neural Engineering, 2020, 17, 056024.	1.8	8
3385	Dynamic causal models and autopoietic systems. Biological Research, 2007, 40, 487-502.	1.5	6
3387	Longitudinal fMRI analysis: A review of methods. Statistics and Its Interface, 2010, 3, 235-252.	0.2	5
3389	Longitudinal fMRI analysis: A review of methods. Statistics and Its Interface, 2010, 3, 232-252.	0.2	1
3390	Reorganization of Brain Networks in Aging and Age-related Diseases. , 2012, 3, 181-93.		33
3391	Effective connectivity between superior temporal gyrus and Heschl's gyrus during white noise listening: linear versus non-linear models. Biomedical Imaging and Intervention Journal, 2012, 8, e13.	0.5	1
3395	Neural substrate differences in language networks and associated language-related behavioral impairments in children with TBI: a preliminary fMRI investigation. NeuroRehabilitation, 2007, 22, 355-69.	0.5	14
3397	Pairwise Likelihood Ratios for Estimation of Non-Gaussian Structural Equation Models. Journal of Machine Learning Research, 2013, 14, 111-152.	62.4	76
3398	Disrupted Eye Gaze Perception as a Biobehavioral Marker of Social Dysfunction: An RDoC Investigation. Journal of Psychiatry and Brain Science, 2020, 5, .	0.3	2

#	Article	IF	CITATIONS
3399	The Role of the Cerebellum in Tremor – Evidence from Neuroimaging. Tremor and Other Hyperkinetic Movements, 2021, 11, 49.	1.1	30
3400	Microbiota links to neural dynamics supporting threat processing. Human Brain Mapping, 2022, 43, 733-749.	1.9	12
3401	Rostral anterior cingulate network effective connectivity in depressed adolescents and associations with treatment response in a randomized controlled trial. Neuropsychopharmacology, 2022, 47, 1240-1248.	2.8	11
3402	Alternation in Effective Connectivity With Cognitive Aging: A Longitudinal Study of Elderly Populations. Frontiers in Aging Neuroscience, 2021, 13, 755931.	1.7	2
3403	Characterization of wholeâ€brain taskâ€modulated functional connectivity in response to nociceptive pain: A multisensory comparison study. Human Brain Mapping, 2022, 43, 1061-1075.	1.9	7
3404	Test-retest reliability of regression dynamic causal modeling. Network Neuroscience, 2022, 6, 135-160.	1.4	7
3405	A nonlinear sparse neural ordinary differential equation model for multiple functional processes. Canadian Journal of Statistics, 2022, 50, 59-85.	0.6	1
3406	Dissecting cascade computational components in spiking neural networks. PLoS Computational Biology, 2021, 17, e1009640.	1.5	4
3408	Neurocomputational mechanism of controllability inference under a multi-agent setting. PLoS Computational Biology, 2021, 17, e1009549.	1.5	2
3409	Vector Auto-Regressive Deep Neural Network: A Data-Driven Deep Learning-Based Directed Functional Connectivity Estimation Toolbox. Frontiers in Neuroscience, 2021, 15, 764796.	1.4	4
3410	Simultaneous EEG-fMRI in Epilepsy. Medical Radiology, 2022, , 217-247.	0.0	0
3412	Synchronization of a nonlinear oscillator with a sum signal from equivalent oscillators. Chaos, Solitons and Fractals, 2021, 153, 111581.	2.5	2
3415	A tale of two architectures. Consciousness and Cognition, 2022, 98, 103257.	0.8	4
3416	Enhancing task fMRI preprocessing via individualized modelâ€based filtering of intrinsic activity dynamics. Neurolmage, 2022, 247, 118836.	2.1	3
3417	Similar network compositions, but distinct neural dynamics underlying belief updating in environments with and without explicit outcomes. NeuroImage, 2022, 247, 118821.	2.1	1
3418	An awareness-dependent mapping of saliency in the human visual system. NeuroImage, 2022, 247, 118864.	2.1	6
3419	Altered Amygdala-prefrontal Connectivity in Chronic Nonspecific Low Back Pain: Resting-state fMRI and Dynamic Causal Modelling Study. Neuroscience, 2022, 482, 18-29.	1.1	8
3420	āf'āf^脳機èf½ç"ç©¶ã«ãŠãʿã, <fmrlã®å½¹å‰². 2021,="" 21-29.<="" 45,="" biomechanisms,="" journal="" of="" society="" td="" the=""><td>0.0</td><td>0</td></fmrlã®å½¹å‰².>	0.0	0

#	Article	IF	Citations
3421	Odor valence modulates cortico-cortical interactions: a preliminary study using DCM for EEG. , 2021, 2021, 604-607.		2
3422	Altered effective connectivity within the cingulo-frontal-parietal cognitive attention networks in chronic low back pain: a dynamic causal modeling study. Brain Imaging and Behavior, 2022, 16, 1516-1527.	1.1	8
3423	Dynamic targeting enables domain-general inhibitory control over action and thought by the prefrontal cortex. Nature Communications, 2022, 13, 274.	5.8	32
3424	Spatiotemporal Patterns of Adaptation-Induced Slow Oscillations in a Whole-Brain Model of Slow-Wave Sleep. Frontiers in Computational Neuroscience, 2021, 15, 800101.	1.2	17
3425	Cerebello-thalamic activity drives an abnormal motor network into dystonic tremor. Neurolmage: Clinical, 2022, 33, 102919.	1.4	17
3427	To Blame or Not? Modulating Third-Party Punishment with the Framing Effect. Neuroscience Bulletin, 2022, 38, 533-547.	1.5	4
3428	Minimal Developmental Computation: A Causal Network Approach to Understand Morphogenetic Pattern Formation. Entropy, 2022, 24, 107.	1.1	13
3430	Interpretable machine learning for high-dimensional trajectories of aging health. PLoS Computational Biology, 2022, 18, e1009746.	1.5	10
3432	Cognition Without Neural Representation: Dynamics of a Complex System. Frontiers in Psychology, 2021, 12, 643276.	1.1	5
3433	Effective connectivity of the human mirror neuron system during social cognition. Social Cognitive and Affective Neuroscience, 2022, 17, 732-743.	1.5	5
3434	Frontostriatothalamic effective connectivity and dopaminergic function in the psychosis continuum. Brain, 2023, 146, 372-386.	3.7	15
3435	Developmental Maturation of Causal Signaling Hubs in Voluntary Control of Saccades and Their Functional Controllability. Cerebral Cortex, 2022, , .	1.6	0
3436	The role of disrupted functional connectivity in aphasia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 185, 99-119.	1.0	2
3437	Effective connectivity in subcortical visual structures in de novo Patients with Parkinson's Disease. NeuroImage: Clinical, 2022, 33, 102906.	1.4	6
3438	Dynamic primitives of brain network interaction. NeuroImage, 2022, 250, 118928.	2.1	18
3439	How resource sharing resists scarcity: the role of cognitive empathy and its neurobiological mechanisms. Cerebral Cortex, 2022, 32, 5330-5342.	1.6	7
3440	Altered Effective Brain Connectivity During Habituation in First Episode Schizophrenia With Auditory Verbal Hallucinations: A Dichotic Listening EEG Study. Frontiers in Psychiatry, 2021, 12, 731387.	1.3	1
3441	On the Importance of Being Flexible: Dynamic Brain Networks and Their Potential Functional Significances. Frontiers in Systems Neuroscience, 2021, 15, 688424.	1.2	13

#	Article	IF	CITATIONS
3442	Neural oscillations track recovery of consciousness in acute traumatic brain injury patients. Human Brain Mapping, 2022, 43, 1804-1820.	1.9	12
3443	Information Exchange between Cortical Areas: The Visual System as a Model. Neuroscientist, 2023, 29, 370-384.	2.6	1
3445	Two Filtering Methods of Forecasting Linear and Nonlinear Dynamics of Intensive Longitudinal Data. Psychometrika, 2022, , 1.	1.2	1
3446	Resting state fMRI connectivity is sensitive to laminar connectional architecture in the human brain. Brain Informatics, 2022, 9, 2.	1.8	4
3448	Dynamic causal modeling of neural responses to an orofacial pneumotactile velocity array. NeuroImage Reports, 2022, 2, 100081.	0.5	0
3449	Serotonergic modulation of effective connectivity in an associative relearning network during task and rest. NeuroImage, 2022, 249, 118887.	2.1	9
3451	Brain information processing capacity modeling. Scientific Reports, 2022, 12, 2174.	1.6	6
3452	Constructing neural network models from brain data reveals representational transformations linked to adaptive behavior. Nature Communications, 2022, 13, 673.	5.8	23
3453	Unpredictability of the "when―influences prediction error processing of the "what―and "where― PLoS ONE, 2022, 17, e0263373.	1.1	5
3454	Cognitive and neural principles of a memory bias on preferential choices. Current Research in Neurobiology, 2022, 3, 100029.	1.1	5
3455	"Antagonistic―cooperation of control regions in bilingual language production: An effective connectivity study. Neuropsychologia, 2022, 167, 108165.	0.7	0
3456	Modulation of the brain's core-self network by self-appraisal processes. NeuroImage, 2022, 251, 118980.	2.1	9
3458	Revealing Whole-Brain Causality Networks During Guided Visual Searching. Frontiers in Neuroscience, 2022, 16, 826083.	1.4	0
3460	Causal Models for Dynamical Systems. , 2022, , 671-690.		1
3461	Functional connectivity of fMRI using differential covariance predicts structural connectivity and behavioral reaction times. Network Neuroscience, 2022, 6, 614-633.	1.4	2
3462	Linking Brain Structure, Activity, and Cognitive Function through Computation. ENeuro, 2022, 9, ENEURO.0316-21.2022.	0.9	22
3464	BOLD Monitoring in the Neural Simulator ANNarchy. Frontiers in Neuroinformatics, 2022, 16, 790966.	1.3	3
3465	Functional brain imaging in bipolar disorder. , 2022, , 60-80.		0

	CHAIR	JN REPORT	
#	Article	IF	CITATIONS
3466	Towards an efficient validation of dynamical whole-brain models. Scientific Reports, 2022, 12, 4331.	1.6	5
3467	Statistical Perspective on Functional and Causal Neural Connectomics: A Comparative Study. Frontiers in Systems Neuroscience, 2022, 16, 817962.	1.2	5
3468	Decoding the Brain's Surface to Track Deeper Activity. , 2022, 1, .		0
3469	Neural Networks for Directed Connectivity Estimation in Source-Reconstructed EEG Data. Applied Sciences (Switzerland), 2022, 12, 2889.	1.3	1
3470	Real-time and Recursive Estimators for Functional MRI Quality Assessment. Neuroinformatics, 2022, 20, 897-917.	1.5	3
3471	Individual differences in mental imagery modulate effective connectivity of scene-selective regions during resting state. Brain Structure and Function, 2022, 227, 1831-1842.	1.2	4
3472	Medial prefrontal cortex and anteromedial thalamus interaction regulates goal-directed behavior and dopaminergic neuron activity. Nature Communications, 2022, 13, 1386.	5.8	12
3473	Generative formalism of causality quantifiers for processes. Physical Review E, 2022, 105, 034209.	0.8	5
3474	Overview of (f)MRI Studies of Cognitive Aging for Non-Experts: Looking through the Lens of Neuroimaging. Life, 2022, 12, 416.	1.1	2
3476	Different Neural Information Flows Affected by Activity Patterns for Action and Verb Generation. Frontiers in Psychology, 2022, 13, 802756.	1.1	1
3477	The Social Connectome – Moving Toward Complexity in the Study of Brain Networks and Their Interactions in Social Cognitive and Affective Neuroscience. Frontiers in Psychiatry, 2022, 13, 845492.	1.3	9
3478	Effective connectivity during face processing in major depression – distinguishing markers of pathology, risk, and resilience. Psychological Medicine, 2023, 53, 4139-4151.	2.7	8
3479	An active inference model of conscious access: How cognitive action selection reconciles the results of report and no-report paradigms. Current Research in Neurobiology, 2022, 3, 100036.	1.1	6
3480	Toward an integrative neurovascular framework for studying brain networks. Neurophotonics, 2022, 9, 032211.	1.7	3
3481	An Anisotropic 4D Filtering Approach to Recover Brain Activation From Paradigm-Free Functional MRI Data. , 2022, 1, .		2
3482	Oxytocin modulates neurocomputational mechanisms underlying prosocial reinforcement learning. Progress in Neurobiology, 2022, 213, 102253.	2.8	10
3483	Effects of virtual lesions on temporal dynamics in cortical networks based on personalized dynamic models. NeuroImage, 2022, 254, 119087.	2.1	2
3484	Neurobehavioral mechanisms underlying the effects of physical exercise break on episodic memory during prolonged sitting. Complementary Therapies in Clinical Practice, 2022, 48, 101553.	0.7	7

#	Article	IF	Citations
3485	Comparing Autoregressive and Network Features for Classification of Depression and Anxiety. , 2021, 2021, 386-389.		0
3487	Personal Meaning and Solving Creative Tasks: Contemporary Neurocognitive Studies. Scientific and Technical Information Processing, 2021, 48, 406-414.	0.3	2
3488	Inferring directionality of coupled dynamical systems using Gaussian process priors: Application on neurovascular systems. Physical Review E, 2021, 104, 064208.	0.8	3
3489	Optogenetic activation of striatal D1R and D2R cells differentially engages downstream connected areas beyond the basal ganglia. Cell Reports, 2021, 37, 110161.	2.9	15
3490	Causal Connectivity based Classification of Functional MRI data. , 2021, , .		1
3491	Modeling Early Phases of COVID-19 Pandemic in Northern Italy and Its Implication for Outbreak Diffusion. Frontiers in Public Health, 2021, 9, 724362.	1.3	2
3493	Alteration of Effective Connectivity in the Default Mode Network of Autism After an Intervention. Frontiers in Neuroscience, 2021, 15, 796437.	1.4	5
3494	Loss and enhancement of layer-selective signals in geniculostriate and corticotectal pathways of adult human amblyopia. Cell Reports, 2021, 37, 110117.	2.9	9
3496	Estimating Effective Connectivity using Brain Partitioning. , 2021, , .		1
3498	Simultaneous modeling of reaction times and brain dynamics in a spatial cueing task. Human Brain Mapping, 2022, 43, 1850-1867.	1.9	1
3499	Dynamic subcortical modulators of human default mode network function. Cerebral Cortex, 2022, 32, 4345-4355.	1.6	16
3500	The Causal Interaction between Complex Subsystems. Entropy, 2022, 24, 3.	1.1	7
3501	Functional Magnetic Resonance Imaging Studies in Sexual Medicine: A Primer. Journal of Sexual Medicine, 2022, 19, 1073-1089.	0.3	3
3502	Causal mapping of human brain function. Nature Reviews Neuroscience, 2022, 23, 361-375.	4.9	106
3503	ls Resting State Functional MRI Effective Connectivity in Movement Disorders Helpful? A Focused Review Across Lifespan and Disease. Frontiers in Neurology, 2022, 13, 847834.	1.1	2
3504	Age-Related Changes in Micro Brain Characteristics Based on Relaxed Mean-Field Model. Frontiers in Aging Neuroscience, 2022, 14, 830529.	1.7	0
3505	Revealing directed effective connectivity of cortical neuronal networks from measurements. Physical Review E, 2022, 105, 044406.	0.8	4
3506	The resting-state causal human connectome is characterized by hub connectivity of executive and attentional networks. NeuroImage, 2022, 255, 119211.	2.1	9

#	Article	IF	CITATIONS
3507	Dynamic causal interactions between occipital and parietal cortex explain how endogenous spatial attention and stimulus-driven salience jointly shape the distribution of processing priorities in 2D visual space. NeuroImage, 2022, 255, 119206.	2.1	9
3564	Whole-Brain Modelling: Past, Present, and Future. Advances in Experimental Medicine and Biology, 2022, 1359, 313-355.	0.8	2
3566	Effective connectivity within the neural system for object-directed action representation during aware and unaware tool processing. Cortex, 2022, , .	1.1	0
3567	Estimating High-Order Brain Functional Networks in Bayesian View for Autism Spectrum Disorder Identification. Frontiers in Neuroscience, 2022, 16, 872848.	1.4	1
3568	Perceptual Uncertainty Alternates Top-down and Bottom-up Fronto-Temporal Network Signaling during Response Inhibition. Journal of Neuroscience, 2022, 42, 4567-4579.	1.7	4
3569	The Spatiotemporal Neural Dynamics of Intersensory Attention Capture of Salient Stimuli: A Large-Scale Auditory-Visual Modeling Study. Frontiers in Computational Neuroscience, 2022, 16, .	1.2	0
3571	Increased insula activity precedes the formation of subjective illusory Gestalt. NeuroImage, 2022, 257, 119289.	2.1	3
3572	A serotonergic biobehavioral signature differentiates cocaine use disorder participants administered mirtazapine. Translational Psychiatry, 2022, 12, 187.	2.4	1
3573	Language network self-inhibition and semantic similarity in first-episode schizophrenia: A computational-linguistic and effective connectivity approach. Schizophrenia Research, 2023, 259, 97-103.	1.1	13
3574	Investigation of two neural mass models for DCMâ€based effective connectivity inference in temporal epilepsy. Computer Methods and Programs in Biomedicine, 2022, 221, 106840.	2.6	1
3575	Reliability and subject specificity of personalized whole-brain dynamical models. NeuroImage, 2022, 257, 119321.	2.1	12
3576	Extracting electrophysiological correlates of functional magnetic resonance imaging data using the canonical polyadic decomposition. Human Brain Mapping, 2022, 43, 4045-4073.	1.9	2
3577	Brain Functional Networks Involved in Different Premise Order in Conditional Reasoning: A Dynamic Causal Model Study. Journal of Cognitive Neuroscience, 2022, , 1-13.	1.1	2
3578	Motor imagery in amyotrophic lateral Sclerosis: An fMRI study of postural control. NeuroImage: Clinical, 2022, 35, 103051.	1.4	10
3579	Lip movements enhance speech representations and effective connectivity in auditory dorsal stream. Neurolmage, 2022, 257, 119311.	2.1	14
3582	Activation in Right Dorsolateral Prefrontal Cortex Underlies Stuttering Anticipation. Neurobiology of Language (Cambridge, Mass), 2022, 3, 469-494.	1.7	7
3583	Discerning Seizure-Onset v. Propagation Zone: Pre-and-Post-Operative Resting-State fMRI Directionality and Boerwinkle Neuroplasticity Index. NeuroImage: Clinical, 2022, 35, 103063.	1.4	2
3584	Future Directions for Chemosensory Connectomes: Best Practices and Specific Challenges. Frontiers in Systems Neuroscience, 2022, 16, .	1.2	3

#	Article	IF	CITATIONS
3585	Resting state effective connectivity abnormalities of the Papez circuit and cognitive performance in multiple sclerosis. Molecular Psychiatry, 0, , .	4.1	3
3586	Culture and gender modulate dlPFC integration in the emotional brain: evidence from dynamic causal modeling. Cognitive Neurodynamics, 2023, 17, 153-168.	2.3	5
3587	Effective connectivity inference in the whole-brain network by using rDCM method for investigating the distinction between emotional states in fMRI data. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 453-466.	1.3	0
3590	The expanding horizons of network neuroscience: From description to prediction and control. NeuroImage, 2022, 258, 119250.	2.1	11
3591	Neural signatures of individual variability in context-dependent perception of ambiguous facial expression. Neurolmage, 2022, 258, 119355.	2.1	5
3595	Functional Connectivity of the Chemosenses: A Review. Frontiers in Systems Neuroscience, 0, 16, .	1.2	3
3596	Leveraging Domain Knowledge in Multitask Bayesian Network Structure Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2012, 26, 1091-1097.	3.6	4
3601	Auditory cortex modelled as a dynamical network of oscillators: understanding event-related fields and their adaptation. Biological Cybernetics, 2022, 116, 475-499.	0.6	4
3602	Age-related differences in the neural network interactions underlying the predictability gain. Cortex, 2022, 154, 269-286.	1.1	2
3603	Altered effective connectivity among core brain networks in patients with bipolar disorder. Journal of Psychiatric Research, 2022, 152, 296-304.	1.5	4
3604	Effector-selective modulation of the effective connectivity within frontoparietal circuits during visuomotor tasks. Cerebral Cortex, 2023, 33, 2517-2538.	1.6	2
3605	Matlab Open Source Code: Noise-Assisted Multivariate Empirical Mode Decomposition Based Causal Decomposition for Causality Inference of Bivariate Time Series. Frontiers in Neuroinformatics, 0, 16, .	1.3	1
3606	A perturbative approach to study information communication in brain networks. Network Neuroscience, 2022, 6, 1275-1295.	1.4	1
3608	Neural Processing of Facial Attractiveness and Romantic Love: An Overview and Suggestions for Future Empirical Studies. Frontiers in Psychology, 0, 13, .	1.1	0
3609	Role of right temporoparietal junction for counterfactual evaluation of partner's decision in ultimatum game. Cerebral Cortex, 2023, 33, 2947-2957.	1.6	5
3610	Conservative Significance Testing of Tripartite Statistical Relations in Multivariate Neural Data. Network Neuroscience, 0, , 1-51.	1.4	0
3611	Functional modular organization unfolded by chimera-like dynamics in a large-scale brain network model. Science China Technological Sciences, 2022, 65, 1435-1444.	2.0	8
3612	PyMVPD: A Toolbox for Multivariate Pattern Dependence. Frontiers in Neuroinformatics, 0, 16, .	1.3	4

ARTICLE IF CITATIONS Reward enhances connectivity between the ventral striatum and the default mode network. 3613 2.1 7 NeuroImage, 2022, 258, 119398. Resting-State Brain Network Analysis Methods and Applications., 0, , . 3614 Task-Dependent Effective Connectivity of the Reward Network During Food Cue-Reactivity: A Dynamic 3615 1.0 3 Causal Modeling Investigation. Frontiers in Behavioral Neuroscience, 0, 16, . Can neurofeedback provide evidence of direct brain-behavior causality?. NeuroImage, 2022, 258, 119400. Imaging Analysis, Bayesian. , 2022, , 1657-1660. 0 3617 Dynamic Causal Modelling with Neural Population Models., 2022, , 1237-1240. Spontaneous Activity, Models of., 2022, , 3289-3293. 3619 0 Neuroimaging, Neural Population Models for., 2022, , 2256-2281. 3620 Inverse Problems in Neural Population Models., 2022, , 1734-1737. 0 3621 Biophysical Models: Neurovascular Coupling, Cortical Microcircuits, and Metabolism., 2022, , 490-503. Statistical Analysis of Neuroimaging Data., 2022, , 3303-3305. 3623 0 Multiscale Brain Connectivity., 2022, , 2105-2107. 3624 3625 Altered predictive control during memory suppression in PTSD. Nature Communications, 2022, 13, . 5.8 12 Event-Related Potential Evidence for Involuntary Consciousness During Implicit Memory Retrieval. 1.0 Frontiers in Behavioral Neuroscience, 0, 16, . Geometric framework to predict structure from function in neural networks. Physical Review 3627 1.3 6 Research, 2022, 4, . Dynamical differential covariance recovers directional network structure in multiscale neural sýstems. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . Role of the amygdala in disrupted integration and effective connectivity of cortico-subcortical 3630 1.6 2 networks in apathy. Cerebral Cortex, 0, , . Reading-related Brain Function Restored to Normal After Articulation Training in Patients with Cleft 1.5 Lip and Palate: An fMRI Study. Neuroscience Bulletin, 2022, 38, 1215-1228.

#	Article	IF	CITATIONS
3633	A strategy of model space search for dynamic causal modeling in task fMRI data exploratory analysis. Physical and Engineering Sciences in Medicine, 2022, 45, 867-882.	1.3	1
3634	Generative Models of Brain Dynamics. Frontiers in Artificial Intelligence, 0, 5, .	2.0	11
3635	Effective cerebello–cerebral connectivity during implicit and explicit social belief sequence learning using dynamic causal modeling. Social Cognitive and Affective Neuroscience, 2023, 18, .	1.5	5
3637	The Structured Mind at Rest: Low-Frequency Oscillations Reflect Interactive Dynamics Between Spontaneous Brain Activity and a Common Architecture for Task Control. Frontiers in Neuroscience, 0, 16, .	1.4	2
3638	Hypothalamic effective connectivity at rest is associated with body weight and energy homeostasis. Network Neuroscience, 2022, 6, 1316-1333.	1.4	0
3639	Developing control-theoretic objectives for large-scale brain dynamics and cognitive enhancement. Annual Reviews in Control, 2022, 54, 363-376.	4.4	3
3640	Identifying microstructural changes in diffusion MRI; How to circumvent parameter degeneracy. NeuroImage, 2022, 260, 119452.	2.1	1
3641	Differential effects of prediction error and adaptation along the auditory cortical hierarchy during deviance processing. NeuroImage, 2022, 259, 119445.	2.1	6
3642	Unrestricted eye movements strengthen effective connectivity from hippocampal to oculomotor regions during scene construction. Neurolmage, 2022, 260, 119497.	2.1	4
3644	Analysis ofÂTime-Varying Interaction Mechanisms Leading toÂSynchronization State inÂCoupled Dynamical Systems. Studies in Systems, Decision and Control, 2022, , 345-359.	0.8	0
3645	A macroscopic link between interhemispheric tract myelination and cortico-cortical interactions during action reprogramming. Nature Communications, 2022, 13, .	5.8	4
3646	Estimating high-order brain functional networks by correlation-preserving embedding. Medical and Biological Engineering and Computing, 0, , .	1.6	4
3647	Reclaiming saliency: Rhythmic precision-modulated action and perception. Frontiers in Neurorobotics, 0, 16, .	1.6	2
3648	Sustained attention induces altered effective connectivity of the ascending thalamo-cortical relay in obsessive-compulsive disorder. Frontiers in Psychiatry, 0, 13, .	1.3	3
3649	Spatiotemporal Precision of Neuroimaging in Psychiatry. Biological Psychiatry, 2023, 93, 671-680.	0.7	1
3650	Causal machine learning for healthcare and precision medicine. Royal Society Open Science, 2022, 9, .	1.1	40
3651	Effective Connectivity of Functionally Anticorrelated Networks Under Lysergic Acid Diethylamide. Biological Psychiatry, 2023, 93, 224-232.	0.7	10
3652	Brain Network Analysis: A Review on Multivariate Analytical Methods. Brain Connectivity, 0, , .	0.8	1

CITATION REPORT ARTICLE IF CITATIONS A Joint estimation approach to sparse additive ordinary differential equations. Statistics and 0.8 1 Computing, 2022, 32, . Altered functional and directed connectivity in propofol-induced loss of consciousness: A source-space resting-state EEG study. Clinical Neurophysiology, 2022, , . 0.7 Modulation of cortical resting state functional connectivity during a visuospatial attention task in 1.1 1 Parkinson's disease. Frontiers in Neurology, 0, 13, . From descriptive connectome to mechanistic connectome: Generative modeling in functional magnetic resonance imaging analysis. Frontiers in Human Neuroscience, 0, 16, Circuit-Based Approaches to Understanding Corticostriatothalamic Dysfunction Across the 0.7 9 Psychosis Continuum. Biological Psychiatry, 2023, 93, 113-124. The principle of $\hat{a} \in brain$ energy on demand $\hat{a} \in brain$ and its predictive power for stress, sleep, stroke, obesity and diabetes. Neuroscience and Biobehavioral Reviews, 2022, 141, 104847. Different facets of object-use pantomime: online TMS evidence on the role of the supramarginal gyrus. 1.1 2 Cortex, 2022, 156, 13-25. Understanding an implicated causality: The brain network for processing concessive relations. Brain 0.8 and Language, 2022, 234, 105177. Space-time resolved inference-based neurophysiological process imaging: Application to resting-state 2.1 6 alpha rhythm. NeuroImage, 2022, 263, 119592. Prediction of brain age based on the community structure of functional networks. Biomedical Signal 3.5 Processing and Control, 2023, 79, 104151. Explainable Contrastive Multiview Graph Representation ofÂBrain, Mind, andÂBehavior. Lecture Notes in 1.0 1 Computer Science, 2022, , 356-365. The Neural Basis of Simultaneous Multitasking., 2022, , 233-273. Source Models. , 2022, , 89-133. 0 Inverse Methods. , 2022, , 229-354. Inferring a Cognitive Architecture from Multitask Neuroimaging Data: A Dataâ€Driven Test of the 1.1 0 Common Model of Cognition Using Granger Causality. Topics in Cognitive Science, 2022, 14, 845-859. From undirected dependence to directed causality: A novel Bayesian learning approach. Intelligent Data Analysis, 2022, 26, 1275-1302.

3672	Fully Bayesian estimation of virtual brain parameters with self-tuning Hamiltonian Monte Carlo. Machine Learning: Science and Technology, 2022, 3, 035016.	2.4	8	
0.454	Thalamic regulation of frontal interactions in human cognitive flexibility. PLoS Computational			

Biology, 2022, 18, e1010500.

3653

3654

3655

3656

3658

3659

3660

3662

3664

3665

3666

3668

3670

3671

#	Article	IF	CITATIONS
3675	External drivers of BOLD signal's non-stationarity. PLoS ONE, 2022, 17, e0257580.	1.1	0
3676	Sex differences in neural substrates of risk taking: Implications for sex-specific vulnerabilities to internet gaming disorder. Journal of Behavioral Addictions, 2022, 11, 778-795.	1.9	7
3678	Topological dissimilarities of hierarchical resting networks in type 2 diabetes mellitus and obesity. Journal of Computational Neuroscience, 2023, 51, 71-86.	0.6	2
3681	Brain state transition analysis using ultra-fast fMRI differentiates MCI from cognitively normal controls. Frontiers in Neuroscience, 0, 16, .	1.4	2
3682	Human cerebellum and corticocerebellar connections involved in emotional memory enhancement. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
3683	Dynamic causal modelling of auditory surprise during disconnected consciousness: The role of feedback connectivity. NeuroImage, 2022, 263, 119657.	2.1	9
3684	Enhanced mirror neuron network activity and effective connectivity during live interaction among female subjects. Neurolmage, 2022, 263, 119655.	2.1	2
3685	Ordinary differential equation based neural network coupled with random forest in the quality assessment of hand hygiene processes. Applied Soft Computing Journal, 2022, 130, 109627.	4.1	3
3686	Liquid Time-constant Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 7657-7666.	3.6	39
3687	Inferring the dynamical effects of stroke lesions through whole-brain modeling. NeuroImage: Clinical, 2022, 36, 103233.	1.4	6
3688	Brain connectivity changes associated with episodic recollection decline in aging: A review of fMRI studies. Frontiers in Aging Neuroscience, 0, 14, .	1.7	5
3690	Neuropsychological profiles and neural correlates in typical and atypical variants of Alzheimer disease: A systematic qualitative review. Neurology Perspectives, 2022, , .	0.2	0
3692	Multiscale Brain Network Models and Their Applications in Neuropsychiatric Diseases. Electronics (Switzerland), 2022, 11, 3468.	1.8	3
3693	Use of connectotyping on task functional MRI data reveals dynamic network level cross talking during task performance. Frontiers in Neuroscience, 0, 16, .	1.4	0
3694	Invasive Computational Psychiatry. Biological Psychiatry, 2023, 93, 661-670.	0.7	4
3695	Solving brain circuit function and dysfunction with computational modeling and optogenetic fMRI. Science, 2022, 378, 493-499.	6.0	17
3697	Generalizing the control architecture of the lateral prefrontal cortex. Neurobiology of Learning and Memory, 2022, 195, 107688.	1.0	2
3699	Effects of face repetition on ventral visual stream connectivity using dynamic causal modelling of fMRI data. NeuroImage, 2022, 264, 119708.	2.1	2

#	Article	IF	CITATIONS
3700	Investigating dynamic causal network with unified Granger causality analysis. Journal of Neuroscience Methods, 2023, 383, 109720.	1.3	3
3701	A Differential Measure of the Strength of Causation. IEEE Signal Processing Letters, 2022, 29, 2208-2212.	2.1	5
3702	Discovering Common Hidden Causes in Sequences of Events. Computational Brain & Behavior, 0, , .	0.9	1
3703	Mechanisms of imbalanced frontostriatal functional connectivity in obsessive-compulsive disorder. Brain, 2023, 146, 1322-1327.	3.7	5
3704	First few seconds for flow: A comprehensive proposal of the neurobiology and neurodynamics of state onset. Neuroscience and Biobehavioral Reviews, 2022, 143, 104956.	2.9	6
3705	Meta-analysis of the functional neuroimaging literature with probabilistic logic programming. Scientific Reports, 2022, 12, .	1.6	0
3706	Dosis sola facit venenum: reconceptualising biological realism. Biology and Philosophy, 2022, 37, .	0.7	1
3709	Closed-form continuous-time neural networks. Nature Machine Intelligence, 2022, 4, 992-1003.	8.3	16
3710	From correlation to communication: Disentangling hidden factors from functional connectivity changes. Network Neuroscience, 0, , 1-42.	1.4	0
3711	Modern views of machine learning for precision psychiatry. Patterns, 2022, 3, 100602.	3.1	30
3711 3712	Modern views of machine learning for precision psychiatry. Patterns, 2022, 3, 100602. Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265.	3.1 1.5	30 2
	Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term		
3712	Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265. An improved dynamic latent variable regression model for fault diagnosis and causal analysis.	1.5	2
3712 3713	Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265. An improved dynamic latent variable regression model for fault diagnosis and causal analysis. Canadian Journal of Chemical Engineering, 2023, 101, 3333-3350. The thalamocortical inhibitory network controls human conscious perception. NeuroImage, 2022,	1.5 0.9	2
3712 3713 3714	Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265. An improved dynamic latent variable regression model for fault diagnosis and causal analysis. Canadian Journal of Chemical Engineering, 2023, 101, 3333-3350. The thalamocortical inhibitory network controls human conscious perception. NeuroImage, 2022, 264, 119748. Hypothalamic interaction with reward-related regions during subjective evaluation of foods.	1.5 0.9 2.1	2 1 4
3712 3713 3714 3715	Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265. An improved dynamic latent variable regression model for fault diagnosis and causal analysis. Canadian Journal of Chemical Engineering, 2023, 101, 3333-3350. The thalamocortical inhibitory network controls human conscious perception. NeuroImage, 2022, 264, 119748. Hypothalamic interaction with reward-related regions during subjective evaluation of foods. NeuroImage, 2022, 264, 119744.	1.5 0.9 2.1	2 1 4 3
3712 3713 3714 3715 3716	 Deconvolution of the Functional Ultrasound Response in the Mouse Visual Pathway Using Block-Term Decomposition. Neuroinformatics, 2023, 21, 247-265. An improved dynamic latent variable regression model for fault diagnosis and causal analysis. Canadian Journal of Chemical Engineering, 2023, 101, 3333-3350. The thalamocortical inhibitory network controls human conscious perception. NeuroImage, 2022, 264, 119748. Hypothalamic interaction with reward-related regions during subjective evaluation of foods. NeuroImage, 2022, 264, 119744. Control-theoretic integration of stimulation and electrophysiology for cognitive enhancement., 0, 1, . Advancing brain network models to reconcile functional neuroimaging and clinical research. 	1.5 0.9 2.1 2.1	2 1 4 3 0

#	Article	IF	CITATIONS
3720	Money or funny: Effective connectivity during service recovery with a DCM-PEB approach. Biological Psychology, 2023, 176, 108464.	1.1	3
3721	The thalamus is the causal hub of intervention in patients with major depressive disorder: Evidence from the Granger causality analysis. NeuroImage: Clinical, 2023, 37, 103295.	1.4	3
3722	Attenuated effective connectivity of large-scale brain networks in children with autism spectrum disorders. Frontiers in Neuroscience, 0, 16, .	1.4	7
3724	Dynamic interactions between anterior insula and anterior cingulate cortex link perceptual features and heart rate variability during movie viewing. Network Neuroscience, 0, , 1-37.	1.4	Ο
3726	Structural and functional magnetic resonance imaging correlates of fatigue and dual-task performance in progressive multiple sclerosis. Journal of Neurology, 2023, 270, 1543-1563.	1.8	6
3727	Investigate Bidirectional Functional Brain Networks Using Directed Information. , 2022, , .		2
3728	Whole-brain dynamical modelling for classification of Parkinson's disease. Brain Communications, 2022, 5, .	1.5	5
3731	Disrupted effective connectivity of the default, salience and dorsal attention networks in major depressive disorder: a study using spectral dynamic causal modelling of resting-state fMRI. Journal of Psychiatry and Neuroscience, 2022, 47, E421-E434.	1.4	4
3732	Temporal Mapper: Transition networks in simulated and real neural dynamics. Network Neuroscience, 2023, 7, 431-460.	1.4	2
3733	Brain modeling for control: A review. Frontiers in Control Engineering, 0, 3, .	0.4	3
3734	Frequency dependent emotion differentiation and directional coupling in amygdala, orbitofrontal and medial prefrontal cortex network with intracranial recordings. Molecular Psychiatry, 2023, 28, 1636-1646.	4.1	4
3735	Estimating effective connectivity in Alzheimer's disease progression: A dynamic causal modeling study. Frontiers in Human Neuroscience, 0, 16, .	1.0	1
3736	Temporal hierarchies in the predictive processing of melody - from pure tones to songs. Neuroscience and Biobehavioral Reviews, 2022, , 105007.	2.9	0
3737	Function without feeling: neural reactivity and intercommunication during flexible motor adjustments evoked by emotional and neutral stimuli. Cerebral Cortex, 0, , .	1.6	1
3738	The arrow of time of brain signals in cognition: Potential intriguing role of parts of the default mode network. Network Neuroscience, 2023, 7, 966-998.	1.4	7
3742	Modeling psychopathology: 4D multiplexes to theÂrescue. SynthÃ^se, 2023, 201, .	0.6	1
3744	The cortical dynamics of context-dependent language processing. Language, Cognition and Neuroscience, 2023, 38, 903-924.	0.7	0
3745	White-matter degradation and dynamical compensation support age-related functional alterations in human brain. Cerebral Cortex, 2023, 33, 6241-6256.	1.6	8

		CITATION RE	PORT	
#	Article		IF	CITATIONS
3746	Expanding connectomics to the laminar level: A perspective. Network Neuroscience, 24)23, 7, 377-388.	1.4	3
3747	Inferring Parsimonious Coupling Statistics inÂNonlinear Dynamics withÂVariational Ga Studies in Computational Intelligence, 2023, , 377-389.	ussian Processes.	0.7	0
3748	Toward naturalistic neuroscience: Mechanisms underlying the flattening of brain hiera movie-watching compared to rest and task. Science Advances, 2023, 9, .	rchy in	4.7	25
3749	Characterizing Heterogeneity in Early Adolescent Reward Networks and Individualized with Behavioral and Clinical Outcomes. Network Neuroscience, 0, , 1-48.	Associations	1.4	1
3750	Disentangling influences of dyslexia, development, and reading experience on effective connectivity in children. NeuroImage, 2023, 268, 119869.	2 brain	2.1	6
3751	The Stroop effect involves an excitatory–inhibitory fronto-cerebellar loop. Nature Co 2023, 14, .	mmunications,	5.8	4
3752	Pulvinar Response Profiles and Connectivity Patterns to Object Domains. Journal of Ne 2023, 43, 812-826.	uroscience,	1.7	1
3753	An Information-Theoretic Analysis of Resting-State versus Task fMRI. Network Neurosc	ience, 0, , 1-39.	1.4	0
3754	The relationship between alexithymia, interoception, and neural functional connectivit expression processing in autism spectrum disorder. Neuropsychologia, 2023, 180, 108		0.7	6
3755	Dynamic causal modelling shows a prominent role of local inhibition in alpha power mo higher visual cortex. PLoS Computational Biology, 2022, 18, e1009988.	odulation in	1.5	0
3756	A circuitâ€based approach to modulate hypersexuality in Parkinson's disease. Psychiat Neurosciences, 2023, 77, 223-232.	ry and Clinical	1.0	1
3757	Effective connectivity of the amygdala during the consumption of erotic, sexual humo rewards with a DCM-PEB approach. PLoS ONE, 2022, 17, e0279281.	r, and monetary	1.1	2
3758	Generalized DCM models for pre-filtering compensation. , 2022, , .			0
3759	Dynamic causal modeling of cerebello-cerebral connectivity when sequencing trait-imp Cerebral Cortex, 2023, 33, 6366-6381.	lying actions.	1.6	2
3760	Interaction between Functional Connectivity and Neural Excitability in Autism: A Novel for Computational Modeling and Application to Biological Data. Computational Psychi		1.1	0
3763	Altered hierarchical organization between empathy and gambling networks in disorder Frontiers in Psychiatry, 0, 14, .	ed gamblers.	1.3	1
3764	Organoid intelligence (OI): the new frontier in biocomputing and intelligence-in-a-dish.	, 2023, 1, .		49
3765	Dysconnection and cognition in schizophrenia: A spectral dynamic causal modeling stu Brain Mapping, 2023, 44, 2873-2896.	ıdy. Human	1.9	4

#	Article	IF	CITATIONS
3766	Dynamic causal modeling analysis reveals the modulation of motor cortex and integration in superior temporal gyrus during multisensory speech perception. Cognitive Neurodynamics, 0, , .	2.3	0
3767	Cognitive Control System Gates Insula Processing of Affective Stimuli in Early Psychosis. Schizophrenia Bulletin, 0, , .	2.3	0
3768	Dynamic Effective Connectivity using Physiologically informed Dynamic Causal Model with Recurrent Units: A functional Magnetic Resonance Imaging simulation study. Frontiers in Human Neuroscience, 0, 17, .	1.0	1
3769	On quantification and maximization of information transfer in network dynamical systems. Scientific Reports, 2023, 13, .	1.6	1
3770	The corticomuscular coupling underlying movement and its application for rehabilitation: a review. , 2023, 2, .		2
3771	Elucidating Directed Statistical Dependencies: Investigating Global Financial Market Indices' Influence on Korean Short Selling Activities. Pacific-Basin Finance Journal, 2023, 79, 102018.	2.0	0
3772	Reduced emergent character of neural dynamics in patients with a disrupted connectome. NeuroImage, 2023, 269, 119926.	2.1	7
3773	Amortized Bayesian inference on generative dynamical network models of epilepsy using deep neural density estimators. Neural Networks, 2023, 163, 178-194.	3.3	6
3774	Noninvasive modulation of human corticostriatal activity. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	3
3775	Modelling homeostatic plasticity in the auditory cortex results in neural signatures of tinnitus. NeuroImage, 2023, 271, 119987.	2.1	0
3778	Experimental Design and Data Analysis Strategies. , 2022, , 267-322.		0
3779	EEG–fMRI Information Fusion: Biophysics and Data Analysis. , 2022, , 695-726.		0
3780	A variational Bayesian approach to identifying whole-brain directed networks with fMRI data. Annals of Applied Statistics, 2023, 17, .	0.5	0
3781	Learning Task-Aware Effective Brain Connectivity for fMRI Analysis with Graph Neural Networks (Extended Abstract). , 2022, , .		3
3782	Amygdalaâ€frontoparietal effective connectivity in creativity and humor processing. Human Brain Mapping, 2023, 44, 2585-2606.	1.9	5
3785	Subcortical contributions to salience network functioning during negative emotional processing. NeuroImage, 2023, 270, 119964.	2.1	4
3787	Neural correlates of emotional valence for faces and words. Frontiers in Psychology, 0, 14, .	1.1	1
3788	Executive control network resting state fMRI functional and effective connectivity and delay discounting in cocaine dependent subjects compared to healthy controls. Frontiers in Psychiatry, 0, 14, .	1.3	1

#	Article	IF	CITATIONS
3789	Using The Virtual Brain to study the relationship between structural and functional connectivity in patients with multiple sclerosis: a multicenter study. Cerebral Cortex, 2023, 33, 7322-7334.	1.6	1
3790	Amygdala connectivity related to subsequent stress responses during the COVID-19 outbreak. Frontiers in Psychiatry, 0, 14, .	1.3	1
3791	Effective connectivity analysis reveals the time course of the Stroop effect in manual responding. Biological Psychology, 2023, 178, 108526.	1.1	0
3792	Longitudinal changes in neural gain and its relationship to cognitive control trajectory in young adults with early psychosis. Translational Psychiatry, 2023, 13, .	2.4	0
3793	Increased Effective Connectivity of the Left Parietal Lobe During Walking Tasks in Parkinson's Disease. Journal of Parkinson's Disease, 2023, 13, 165-178.	1.5	1
3795	Distinctive alterations in the mesocorticolimbic circuits in various psychiatric disorders. Psychiatry and Clinical Neurosciences, 2023, 77, 345-354.	1.0	3
3796	Aberrant Large-Scale Network Interactions Across Psychiatric Disorders Revealed by Large-Sample Multi-Site Resting-State Functional Magnetic Resonance Imaging Datasets. Schizophrenia Bulletin, 2023, 49, 933-943.	2.3	5
3797	A spectral sampling algorithm in dynamic causal modelling for restingâ€state <scp>fMRI</scp> . Human Brain Mapping, 2023, 44, 2981-2992.	1.9	5
3798	Granger causality for compressively sensed sparse signals. Physical Review E, 2023, 107, .	0.8	1
3800	Connectivity Analysis in EEG Data: A Tutorial Review of the State of the Art and Emerging Trends. Bioengineering, 2023, 10, 372.	1.6	19
3801	Predicting future depressive episodes from resting-state fMRI with generative embedding. NeuroImage, 2023, 273, 119986.	2.1	0
3802	Global nonlinear approach for mapping parameters of neural mass models. PLoS Computational Biology, 2023, 19, e1010985.	1.5	1
3803	Disrupted multi-scale topological organization of directed functional brain networks in patients with disorders of consciousness. Brain Communications, 2023, 5, .	1.5	0
3804	Interhemispheric interplayÂbetween the left and right premotor cortexÂduring grasping as assessed by dynamic causal modelling. Scientific Reports, 2023, 13, .	1.6	1
3806	Investigating volatility spillover of energy commodities in the context of the Chinese and European stock markets. Research in International Business and Finance, 2023, 65, 101948.	3.1	21
3808	Dynamic Graphical Models with Variable Selection for Effective Connectivity. Bayesian Analysis, 2023, -1, .	1.6	0
3809	A unifying perspective on neural manifolds and circuits for cognition. Nature Reviews Neuroscience, 2023, 24, 363-377.	4.9	31
3811	Robust flight navigation out of distribution with liquid neural networks. Science Robotics, 2023, 8, .	9.9	3

#	Article	IF	CITATIONS
3812	Vers une redéfinition des systèmes de mémoire fondée sur la connectivité cérébrale. , 2011, Volun 112-119.	ne 3, 0.0	0
3815	Threatâ€induced anxiety and selfishness in resource sharing: Behavioral and neural evidence. Human Brain Mapping, 0, , .	1.9	1
3822	Functional Connectivity MR Imaging. , 2023, , 521-541.		0
3846	Epileptic MEG Networks Connectivity Obtained by MNE, sLORETA, cMEM and dsPM. Lecture Notes in Networks and Systems, 2023, , 357-365.	0.5	0
3853	Infrastructure-based End-to-End Learning and Prevention of Driver Failure. , 2023, , .		0
3859	Human body odour modulates neural processing of faces: effective connectivity analysis using EEG. , 2023, , .		0
3863	Brain networks involved in deviance and novelty detection: Are they sensory modality specific?. , 2023, , 315-343.		0
3887	Reconstructing computational system dynamics from neural data with recurrent neural networks. Nature Reviews Neuroscience, 2023, 24, 693-710.	4.9	4
3889	Functional connectivity of amygdala subnuclei in PTSD: a narrative review. Molecular Psychiatry, 2023, 28, 3581-3594.	4.1	2
3893	Dynamic Source Localization and Functional Connectivity Estimation With State-Space Models: Preliminary Feasibility Analysis. , 2023, , .		1
3894	Neuroimaging Data Analysis of an Artificially Intelligent Human Mind. Lecture Notes in Electrical Engineering, 2023, , 277-289.	0.3	0
3896	Concept of a causality-driven fault diagnosis system for cyber-physical production systems. , 2023, , .		1
3910	Joint Estimation of Neural Events and Hemodynamic Response Functions from Task fMRI via Convolutional Neural Networks. Lecture Notes in Computer Science, 2023, , 67-78.	1.0	0
3920	Revisiting Functional Dysconnectivity: a Review of Three Model Frameworks in Schizophrenia. Current Neurology and Neuroscience Reports, 0, , .	2.0	2
3935	Limits and Derivatives. , 2023, , 165-199.		0
3941	Resting-State fâ \in ŠMRI Advances for Functional Brain Dynamics. , 0, , .		0
3960	Dynamic Organization of Large-scale Functional Brain Networks Supports Interactions Between Emotion and Executive Control. Neuroscience Bulletin, 0, , .	1.5	0
3964	Causation in neuroscience: keeping mechanism meaningful. Nature Reviews Neuroscience, 2024, 25, 81-90.	4.9	1

#	Article	IF	CITATIONS
3970	Data-driven learning strategies for biomarker detection and outcome prediction in Autism from task-based fMRI. , 2024, , 357-393.		0
3971	Dynamic Brain Networks with Prescribed Functional Connectivity. , 2023, , .		0
3985	Strukturelle und funktionelle Konnektivitä , 2023, , 85-92.		0
3992	Editorial: Variability and reproducibility of brain imaging. Frontiers in Psychology, 0, 15, .	1.1	0
3997	Relating the Network Graphs of State-Space Representations to Granger Causality Conditions. Lecture Notes in Control and Information Sciences, 2024, , 61-90.	0.6	0