

# CITATION REPORT

List of articles citing

## Complex network measures of brain connectivity: uses and interpretations

DOI: 10.1016/j.neuroimage.2009.10.003  
NeuroImage, 2010, 52, 1059-69.

**Source:** <https://exaly.com/paper-pdf/49631049/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2290	.		
2289	Reversible posterior leukencephalopathy syndrome induced by granulocyte stimulating factor filgrastim. <b>2000</b> , 69, 280-1		15
2288	Network scaling effects in graph analytic studies of human resting-state FMRI data. <b>2010</b> , 4, 22		289
2287	Reproducibility of graph metrics in FMRI networks. <b>2010</b> , 4, 117		72
2286	Graph-based network analysis of resting-state functional MRI. <b>2010</b> , 4, 16		350
2285	Modular and hierarchically modular organization of brain networks. <b>2010</b> , 4, 200		666
2284	Graph Analysis and Visualization for Brain Function Characterization Using EEG Data. <b>2010</b> , 1, 435-459		6
2283	The dynamic emotion recognition system based on functional connectivity of brain regions. <b>2010</b> ,		16
2282	Development of the brain's functional network architecture. <b>2010</b> , 20, 362-75		94
2281	Epilepsy is related to theta band brain connectivity and network topology in brain tumor patients. <b>2010</b> , 11, 103		115
2280	Tracking brain dynamics via time-dependent network analysis. <b>2010</b> , 193, 145-55		89
2279	Self-organization of repetitive spike patterns in developing neuronal networks in vitro. <b>2010</b> , 32, 1289-99		60
2278	The lesioned brain: still a small-world?. <b>2010</b> , 4, 174		27
2277	Identifying abnormal connectivity in patients using dynamic causal modeling of FMRI responses. <b>2010</b> , 4,		62
2276	Aberrant frontal and temporal complex network structure in schizophrenia: a graph theoretical analysis. <b>2010</b> , 30, 15915-26		504
2275	Functional connectivity networks in the autistic and healthy brain assessed using Granger causality. <b>2010</b> , 2010, 1730-3		40
2274	Intrinsic functional connectivity as a tool for human connectomics: theory, properties, and optimization. <b>2010</b> , 103, 297-321		1375

2273	Human functional connectivity: new tools, unresolved questions. <b>2010</b> , 107, 10769-70		68
2272	Development of a large-scale functional brain network during human non-rapid eye movement sleep. <b>2010</b> , 30, 11379-87		227
2271	White matter maturation reshapes structural connectivity in the late developing human brain. <b>2010</b> , 107, 19067-72		486
2270	The organization of local and distant functional connectivity in the human brain. <b>2010</b> , 6, e1000808		291
2269	Atypical default network connectivity in youth with attention-deficit/hyperactivity disorder. <b>2010</b> , 68, 1084-91		266
2268	Imaging genetics of mood disorders. <i>NeuroImage</i> , <b>2010</b> , 53, 810-21	7.9	72
2267	Computational models of the brain: from structure to function. <i>NeuroImage</i> , <b>2010</b> , 52, 727-30	7.9	31
2266	Neuronal synchrony reveals working memory networks and predicts individual memory capacity. <b>2010</b> , 107, 7580-5		395
2265	What does delta band tell us about cognitive processes: a mental calculation study. <b>2010</b> , 483, 11-5		59
2264	The development of human functional brain networks. <b>2010</b> , 67, 735-48		543
2263	Comparing brain networks of different size and connectivity density using graph theory. <b>2010</b> , 5, e13701		750
2262	EVALUATING SAMPLING STRATEGIES OF DERMOSCOPIC INTEREST POINTS. <b>2011</b> , 2011, 109-112		9
2261	Default brain connectivity network in mild traumatic brain injury &#x2014; preliminary MEG results. <b>2011</b> ,		1
2260	NAVIGATOR: Large Scalable and Interactive Navigation and Analysis of Large Graphs. <b>2011</b> , 7, 314-347		9
2259	Altered functional-structural coupling of large-scale brain networks in idiopathic generalized epilepsy. <b>2011</b> , 134, 2912-28		383
2258	How reliable are the functional connectivity networks of MEG in resting states?. <b>2011</b> , 106, 2888-95		48
2257	Disrupted axonal fiber connectivity in schizophrenia. <b>2011</b> , 69, 80-9		363
2256	General and specific functional connectivity disturbances in first-episode schizophrenia during cognitive control performance. <b>2011</b> , 70, 64-72		211

2255	Gateways of ventral and dorsal streams in mouse visual cortex. <b>2011</b> , 31, 1905-18		153
2254	Characterization of the anterior cingulate's role in the at-risk mental state using graph theory. <i>NeuroImage</i> , <b>2011</b> , 56, 1531-9	7.9	44
2253	Networks, noise and models: reconceptualizing the brain as a complex, distributed system. <i>NeuroImage</i> , <b>2011</b> , 58, 293-5	7.9	13
2252	Weight-conserving characterization of complex functional brain networks. <i>NeuroImage</i> , <b>2011</b> , 56, 2068-79	7.9	577
2251	A tutorial in connectome analysis: topological and spatial features of brain networks. <i>NeuroImage</i> , <b>2011</b> , 57, 892-907	7.9	241
2250	A whole-brain voxel based measure of intrinsic connectivity contrast reveals local changes in tissue connectivity with anesthetic without a priori assumptions on thresholds or regions of interest. <i>NeuroImage</i> , <b>2011</b> , 58, 1044-50	7.9	99
2249	Conserved and variable architecture of human white matter connectivity. <i>NeuroImage</i> , <b>2011</b> , 54, 1262-79	7.9	284
2248	Error processing network dynamics in schizophrenia. <i>NeuroImage</i> , <b>2011</b> , 54, 1495-505	7.9	42
2247	Enriched white matter connectivity networks for accurate identification of MCI patients. <i>NeuroImage</i> , <b>2011</b> , 54, 1812-22	7.9	168
2246	Small-world directed networks in the human brain: multivariate Granger causality analysis of resting-state fMRI. <i>NeuroImage</i> , <b>2011</b> , 54, 2683-94	7.9	131
2245	Negative edges and soft thresholding in complex network analysis of resting state functional connectivity data. <i>NeuroImage</i> , <b>2011</b> , 55, 1132-46	7.9	171
2244	Assessing directed interactions from neurophysiological signals--an overview. <b>2011</b> , 32, 1715-24		52
2243	Approaches for the integrated analysis of structure, function and connectivity of the human brain. <b>2011</b> , 42, 107-21		90
2242	Genetic influences on cost-efficient organization of human cortical functional networks. <b>2011</b> , 31, 3261-70		235
2241	Extracting biomarkers of autism from MEG resting-state functional connectivity networks. <b>2011</b> , 41, 1166-77		68
2240	Effective connectivity analysis of fMRI and MEG data collected under identical paradigms. <b>2011</b> , 41, 1156-65		24
2239	EEG-based functional networks in schizophrenia. <b>2011</b> , 41, 1178-86		56
2238	Statistical parametric network analysis of functional connectivity dynamics during a working memory task. <i>NeuroImage</i> , <b>2011</b> , 55, 688-704	7.9	78

2237	Brain graphs: graphical models of the human brain connectome. <b>2011</b> , 7, 113-40	746
2236	Network modeling and analysis of lumbar muscle surface EMG signals during flexion-extension in individuals with and without low back pain. <b>2011</b> , 21, 913-21	3
2235	Large-scale brain networks and psychopathology: a unifying triple network model. <b>2011</b> , 15, 483-506	2025
2234	Dissecting functional connectivity of neuronal microcircuits: experimental and theoretical insights. <b>2011</b> , 34, 225-36	121
2233	Recent developments of functional magnetic resonance imaging research for drug development in Alzheimer's disease. <b>2011</b> , 95, 570-8	18
2232	Functional network organization of the human brain. <b>2011</b> , 72, 665-78	2477
2231	Mapping genetic influences on cortical regionalization. <b>2011</b> , 72, 499-501	3
2230	Magnetic resonance imaging and graph theoretical analysis of complex brain networks in neuropsychiatric disorders. <b>2011</b> , 1, 349-65	74
2229	Integrating temporal and spatial scales: human structural network motifs across age and region of interest size. <b>2011</b> , 5, 10	19
2228	Disrupted brain connectivity networks in drug-naive, first-episode major depressive disorder. <b>2011</b> , 70, 334-42	612
2227	Neural Substrates of Chronic Pain in the Thalamocortical Circuit. <b>2011</b> ,	3
2226	BrainNetVis: an open-access tool to effectively quantify and visualize brain networks. <b>2011</b> , 2011, 747290	2
2225	Extraction of Network Topology From Multi-Electrode Recordings: Is there a Small-World Effect?. <b>2011</b> , 5, 4	78
2224	The non-random brain: efficiency, economy, and complex dynamics. <b>2011</b> , 5, 5	156
2223	Methods for generating complex networks with selected structural properties for simulations: a review and tutorial for neuroscientists. <b>2011</b> , 5, 11	53
2222	Functional Brain Network Characterization and Adaptivity during Task Practice in Healthy Volunteers and People with Schizophrenia. <b>2011</b> , 5, 81	18
2221	Changes in cognitive state alter human functional brain networks. <b>2011</b> , 5, 83	79
2220	The connectome viewer toolkit: an open source framework to manage, analyze, and visualize connectomes. <b>2011</b> , 5, 3	71

2219	Informatics and data mining tools and strategies for the human connectome project. <b>2011</b> , 5, 4	288
2218	Functional embedding predicts the variability of neural activity. <b>2011</b> , 5, 90	63
2217	Quantifying the link between anatomical connectivity, gray matter volume and regional cerebral blood flow: an integrative MRI study. <b>2011</b> , 6, e14801	34
2216	Brain network analysis: separating cost from topology using cost-integration. <b>2011</b> , 6, e21570	125
2215	Cardiac and respiratory patterns synchronize between persons during choir singing. <b>2011</b> , 6, e24893	121
2214	Altered small-world brain networks in temporal lobe in patients with schizophrenia performing an auditory oddball task. <b>2011</b> , 5, 7	51
2213	The human connectome: a complex network. <b>2011</b> , 1224, 109-125	866
2212	A propositional representation model of anatomical and functional brain data. <b>2011</b> , 105, 130-4	
2211	Functional network disruption in the degenerative dementias. <b>2011</b> , 10, 829-43	333
2210	Sparse brain network recovery under compressed sensing. <b>2011</b> , 30, 1154-65	112
2209	Functional Genomics Assistant (FUGA): a toolbox for the analysis of complex biological networks. <b>2011</b> , 4, 462	16
2208	EEG functional connectivity of the intrahemispheric cortico-cortical network of idiopathic generalized epilepsy. <b>2011</b> , 96, 11-23	20
2207	An EEG-based real-time cortical functional connectivity imaging system. <b>2011</b> , 49, 985-95	8
2206	Fast and robust image segmentation by small-world neural oscillator networks. <b>2011</b> , 5, 209-20	13
2205	Studying functional networks in human brain through intracerebral spontaneous EEG. <b>2011</b> , 12,	78
2204	Removing bias against membrane proteins in interaction networks. <b>2011</b> , 5, 169	13
2203	Global network analysis of drug tolerance, mode of action and virulence in methicillin-resistant <i>S. aureus</i> . <b>2011</b> , 5, 68	31
2202	Graph averaging as a means to compare multichannel EEG coherence networks and its application to the study of mental fatigue and neurodegenerative disease. <b>2011</b> , 35, 265-274	9

2201	The brain as a complex system: using network science as a tool for understanding the brain. <b>2011</b> , 1, 295-308	169
2200	Multivariate analysis of dynamical processes with applications to the neurosciences. <b>2011</b> , 2011, 5931-4	2
2199	Altered structural brain connectivity in healthy carriers of the autism risk gene, CNTNAP2. <b>2011</b> , 1, 447-59	81
2198	Identifying multivariate EEG synchronization networks through multiple subject community detection. <b>2011</b> ,	
2197	Brain network local interconnectivity loss in aging APOE-4 allele carriers. <b>2011</b> , 108, 20760-5	141
2196	Rich-club organization of the human connectome. <b>2011</b> , 31, 15775-86	1492
2195	Uncovering intrinsic connectional architecture of functional networks in awake rat brain. <b>2011</b> , 31, 3776-83	155
2194	Discrete neuroanatomical networks are associated with specific cognitive abilities in old age. <b>2011</b> , 31, 1204-12	165
2193	Emergence of persistent networks in long-term intracranial EEG recordings. <b>2011</b> , 31, 15757-67	83
2192	Identifying critical regions in small-world marine metapopulations. <b>2011</b> , 108, E907-13	84
2191	Blockade of TNF- $\alpha$ rapidly inhibits pain responses in the central nervous system. <b>2011</b> , 108, 3731-6	237
2190	Structural network topology revealed by white matter tractography in cannabis users: a graph theoretical analysis. <b>2011</b> , 1, 473-83	25
2189	The ubiquity of small-world networks. <b>2011</b> , 1, 367-75	248
2188	Effect of resting-state functional MR imaging duration on stability of graph theory metrics of brain network connectivity. <b>2011</b> , 259, 516-24	54
2187	Constructing brain functional networks from EEG: partial and unpartial correlations. <b>2011</b> , 10, 213-32	41
2186	Characterization of cerebral white matter properties using quantitative magnetic resonance imaging stains. <b>2011</b> , 1, 423-46	292
2185	The correlation of metrics in complex networks with applications in functional brain networks. <b>2011</b> , 2011, P11018	54
2184	Extracting message inter-departure time distributions from the human electroencephalogram. <b>2011</b> , 7, e1002065	5

2183	How structure determines correlations in neuronal networks. <b>2011</b> , 7, e1002059	164
2182	A framework for quantifying node-level community structure group differences in brain connectivity networks. <b>2012</b> , 15, 196-203	18
2181	White matter network abnormalities are associated with cognitive decline in chronic epilepsy. <b>2012</b> , 22, 2139-47	111
2180	Mapping connectivity damage in the case of Phineas Gage. <b>2012</b> , 7, e37454	111
2179	How the statistical validation of functional connectivity patterns can prevent erroneous definition of small-world properties of a brain connectivity network. <b>2012</b> , 2012, 130985	46
2178	Source space analysis of event-related dynamic reorganization of brain networks. <b>2012</b> , 2012, 452503	23
2177	Quantification of effective connectivity in the brain using a measure of directed information. <b>2012</b> , 2012, 635103	16
2176	Medial temporal lobe epilepsy is associated with neuronal fibre loss and paradoxical increase in structural connectivity of limbic structures. <b>2012</b> , 83, 903-9	152
2175	Weighted phase lag index and graph analysis: preliminary investigation of functional connectivity during resting state in children. <b>2012</b> , 2012, 186353	24
2174	Intrinsic organization of the anesthetized brain. <b>2012</b> , 32, 10183-91	122
2173	Functional connectivity between anatomically unconnected areas is shaped by collective network-level effects in the macaque cortex. <b>2012</b> , 22, 1586-92	180
2172	Parietofrontal integrity determines neural modulation associated with grasping imagery after stroke. <b>2012</b> , 135, 596-614	101
2171	Neurocognitive anthropology: what are the options?. <b>2012</b> , 35, 243-4	1
2170	Brain connectivity networks in schizophrenia underlying resting state functional magnetic resonance imaging. <b>2012</b> , 12, 2415-25	96
2169	FUNCTIONAL CONNECTIVITY CHANGES IN MILD TRAUMATIC BRAIN INJURY ASSESSED USING MAGNETOENCEPHALOGRAPHY. <b>2012</b> , 12, 1240006	20
2168	Disrupted topological organization in white matter structural networks in amnesic mild cognitive impairment: relationship to subtype. <b>2012</b> , 265, 518-27	84
2167	Maximizing the number of polychronous groups in spiking networks. <b>2012</b> ,	
2166	Evolving NK-complexity for evolutionary solvers. <b>2012</b> ,	2



2165	Framework to study dynamic dependencies in networks of interacting processes. <b>2012</b> , 86, 041901	36
2164	WHOLE BRAIN GROUP NETWORK ANALYSIS USING NETWORK BIAS AND VARIANCE PARAMETERS. <b>2012</b> , 2012, 1511-1514	
2163	Optimal signal amplification in weighted scale-free networks. <b>2012</b> , 22, 023128	7
2162	BACK MATTER. <b>2012</b> , 367-403	
2161	Enhanced motor learning in older adults is accompanied by increased bilateral frontal and fronto-parietal connectivity. <b>2012</b> , 2, 56-68	17
2160	Emergent criticality through adaptive information processing in boolean networks. <b>2012</b> , 108, 128702	34
2159	Multimodal Brain Image Analysis. <b>2012</b> ,	0
2158	Altered structural brain network topology in infants with intrauterine growth restriction. <b>2012</b> ,	1
2157	Influence of network topology on sound propagation in granular materials. <b>2012</b> , 86, 041306	79
2156	Mesh learning approach for brain data modeling. <b>2012</b> ,	3
2155	Small-world topology of functional connectivity in randomly connected dynamical systems. <b>2012</b> , 22, 033107	38
2154	Distinct neuropsychological subgroups in typically developing youth inform heterogeneity in children with ADHD. <b>2012</b> , 109, 6769-74	306
2153	Social structures depend on innate determinants and chemosensory processing in Drosophila. <b>2012</b> , 109 Suppl 2, 17174-9	77
2152	Network analysis of corticocortical connections reveals ventral and dorsal processing streams in mouse visual cortex. <b>2012</b> , 32, 4386-99	250
2151	Unravelling the intrinsic functional organization of the human lateral frontal cortex: a parcellation scheme based on resting state fMRI. <b>2012</b> , 32, 10238-52	54
2150	Human functional neuroimaging. <b>2012</b> , 106, 97-105	
2149	An integrated framework for high angular resolution diffusion imaging-based investigation of structural connectivity. <b>2012</b> , 2, 69-79	8
2148	Graph analysis of functional brain networks for cognitive control of action in traumatic brain injury. <b>2012</b> , 135, 1293-307	86

2147	Emergence of stable functional networks in long-term human electroencephalography. <b>2012</b> , 32, 2703-13	122
2146	Examining intrinsic thalamic resting state networks using graph theory analysis: implications for mTBI detection. <b>2012</b> , 2012, 5445-8	5
2145	Investigation of network brain dynamics from EEG measurements in patients with epilepsy using graph-theoretic approaches. <b>2012</b> ,	6
2144	Gene network effects on brain microstructure and intellectual performance identified in 472 twins. <b>2012</b> , 32, 8732-45	45
2143	So, are we the massively lucky species?. <b>2012</b> , 35, 236-7	2
2142	Tool use as situated cognition. <b>2012</b> , 35, 221-2	1
2141	The dual nature of tools and their makeover. <b>2012</b> , 35, 239-40	1
2140	Spatiotemporal reconfiguration of large-scale brain functional networks during propofol-induced loss of consciousness. <b>2012</b> , 32, 12832-40	133
2139	Similarity-based extraction of individual networks from gray matter MRI scans. <b>2012</b> , 22, 1530-41	166
2138	Emergence of a small-world functional network in cultured neurons. <b>2012</b> , 8, e1002522	94
2137	Redundancy as a graph-based index of frequency specific MEG functional connectivity. <b>2012</b> , 2012, 207305	10
2136	A signal-processing-based approach to time-varying graph analysis for dynamic brain network identification. <b>2012</b> , 2012, 451516	25
2135	Voxel scale complex networks of functional connectivity in the rat brain: neurochemical state dependence of global and local topological properties. <b>2012</b> , 2012, 615709	6
2134	An analytical approach to network motif detection in samples of networks with pairwise different vertex labels. <b>2012</b> , 2012, 910380	5
2133	Insights into multimodal imaging classification of ADHD. <b>2012</b> , 6, 59	94
2132	Frontoparietal Connectivity and Hierarchical Structure of the Brain's Functional Network during Sleep. <b>2012</b> , 3, 80	50
2131	Towards the "baby connectome": mapping the structural connectivity of the newborn brain. <b>2012</b> , 7, e31029	59
2130	Technological selection: a missing link. <b>2012</b> , 35, 222-3	

2129	Tool use induces complex and flexible plasticity of human body representations. <b>2012</b> , 35, 229-30	16
2128	Cathedrals, symphony orchestras, and iPhones: the cultural basis of modern technology. <b>2012</b> , 35, 231-2	
2127	Childhood and advances in human tool use. <b>2012</b> , 35, 232-3	3
2126	An area specifically devoted to tool use in human left inferior parietal lobule. <b>2012</b> , 35, 234	11
2125	Human tool-making capacities reflect increased information-processing capacities: continuity resides in the eyes of the beholder. <b>2012</b> , 35, 225-6	1
2124	Language and tool making are similar cognitive processes. <b>2012</b> , 35, 226	8
2123	Can object affordances impact on human social learning of tool use?. <b>2012</b> , 35, 227-8	2
2122	The role of executive control in tool use. <b>2012</b> , 35, 240-1	1
2121	Tool use and constructions. <b>2012</b> , 35, 218-9	6
2120	From individual cognition to populational culture. <b>2012</b> , 35, 245-62	1
2119	Foresight, function representation, and social intelligence in the great apes. <b>2012</b> , 35, 234-5	2
2118	Evidence from convergent evolution and causal reasoning suggests that conclusions on human uniqueness may be premature. <b>2012</b> , 35, 241-2	6
2117	Human tool behavior is species-specific and remains unique. <b>2012</b> , 35, 222	0
2116	Look, no hands!. <b>2012</b> , 35, 235-6	
2115	Cultural intelligence is key to explaining human tool use. <b>2012</b> , 35, 242-3	9
2114	Evidence of recursion in tool use. <b>2012</b> , 35, 219-20	2
2113	The key to cultural innovation lies in the group dynamic rather than in the individual mind. <b>2012</b> , 35, 237-8	
2112	Tool innovation may be a critical limiting step for the establishment of a rich tool-using culture: a perspective from child development. <b>2012</b> , 35, 220-1	9

2111	Not by thoughts alone: how language supersedes the cognitive toolkit. <b>2012</b> , 35, 226-7	2
2110	Functional graph alterations in schizophrenia: a result from a global anatomic decoupling?. <b>2012</b> , 45 Suppl 1, S57-64	23
2109	Unique features of human movement control predicted by the leading joint hypothesis. <b>2012</b> , 35, 223-4	
2108	Prosthetic gestures: how the tool shapes the mind. <b>2012</b> , 35, 230-1	10
2107	Thinking tools: acquired skills, cultural niche construction, and thinking with things. <b>2012</b> , 35, 228-9	3
2106	Motor planning in primates. <b>2012</b> , 35, 244	3
2105	The limits of chimpanzee-human comparisons for understanding human cognition. <b>2012</b> , 35, 238-9	2
2104	What exists in the environment that motivates the emergence, transmission, and sophistication of tool use?. <b>2012</b> , 35, 233-4	1
2103	Schizophrenia classification using functional network features. <b>2012</b> ,	1
2102	Synchronization dynamics and evidence for a repertoire of network states in resting EEG. <b>2012</b> , 6, 74	77
2101	Functional Brain Networks: beyond the small-world paradigm*. <b>2012</b> , 45, 57-62	3
2100	Resting-state networks in schizophrenia. <b>2012</b> , 12, 2404-14	127
2099	Connectivity-based structural and functional parcellation of the human cortex using diffusion imaging and tractography. <b>2012</b> , 6, 34	51
2098	The intrinsic connectome of the rat amygdala. <b>2012</b> , 6, 81	18
2097	Modular Organization of Functional Network Connectivity in Healthy Controls and Patients with Schizophrenia during the Resting State. <b>2011</b> , 5, 103	64
2096	Frontal information flow and connectivity in psychopathy. <b>2012</b> , 201, 408-9	26
2095	Hierarchical Clustering Strategies for Fault Tolerance in Large Scale HPC Systems. <b>2012</b> ,	4
2094	Test-retest reliability of resting-state connectivity network characteristics using fMRI and graph theoretical measures. <i>NeuroImage</i> , <b>2012</b> , 59, 1404-12	7.9 319

2093	Interrelating anatomical, effective, and functional brain connectivity using propagators and neural field theory. <b>2012</b> , 85, 011912	53
2092	Hubs of brain functional networks are radically reorganized in comatose patients. <b>2012</b> , 109, 20608-13	192
2091	Effect of long-term cannabis use on axonal fibre connectivity. <b>2012</b> , 135, 2245-55	216
2090	Brain connectivity and postural control in young traumatic brain injury patients: A diffusion MRI based network analysis. <b>2012</b> , 1, 106-15	60
2089	Laterality patterns of brain functional connectivity: gender effects. <b>2012</b> , 22, 1455-62	110
2088	Large scale brain models of epilepsy: dynamics meets connectomics. <b>2012</b> , 83, 1238-48	197
2087	Altered resting state functional brain network topology in chemotherapy-treated breast cancer survivors. <b>2012</b> , 48, 329-38	124
2086	Effective connectivity analysis of fMRI time-series based on Granger causality and complex network. <b>2012</b> ,	
2085	Effects of age on the structure of functional connectivity networks during episodic and working memory demand. <b>2012</b> , 2, 113-24	15
2084	Synchronizability of EEG-based functional networks in early Alzheimer's disease. <b>2012</b> , 20, 636-41	37
2083	Resting state functional MRI in Alzheimer's Disease. <b>2012</b> , 4, 2	76
2082	A Fast Algorithm for Streaming Betweenness Centrality. <b>2012</b> ,	47
2081	. <b>2012</b> ,	7
2080	Parcel-based connectivity analysis of fMRI data for the study of epileptic seizure propagation. <b>2012</b> , 25, 345-61	10
2079	LEFT VERSUS RIGHT HEMISPHERE DIFFERENCES IN BRAIN CONNECTIVITY: 4-TESLA HARDI TRACTOGRAPHY IN 569 TWINS. <b>2012</b> , 2012, 526-529	14
2078	Epilepsy as a disorder of cortical network organization. <b>2012</b> , 18, 360-72	309
2077	A constrained evolutionary computation method for detecting controlling regions of cortical networks. <b>2012</b> , 9, 1569-81	92
2076	Advances in Image and Video Technology. <b>2012</b> ,	

2075	Topologically convergent and divergent structural connectivity patterns between patients with remitted geriatric depression and amnesic mild cognitive impairment. <b>2012</b> , 32, 4307-18	239
2074	Discriminant analysis of longitudinal cortical thickness changes in Alzheimer's disease using dynamic and network features. <b>2012</b> , 33, 427.e15-30	137
2073	Predicting regional neurodegeneration from the healthy brain functional connectome. <b>2012</b> , 73, 1216-27	477
2072	Interindividual reaction time variability is related to resting-state network topology: an electroencephalogram study. <b>2012</b> , 202, 276-82	22
2071	Discovering oscillatory interaction networks with M/EEG: challenges and breakthroughs. <b>2012</b> , 16, 219-30	243
2070	Network centrality in the human functional connectome. <b>2012</b> , 22, 1862-75	715
2069	Hierarchical clustering of brain activity during human nonrapid eye movement sleep. <b>2012</b> , 109, 5856-61	136
2068	GMAC: a Matlab toolbox for spectral Granger causality analysis of fMRI data. <b>2012</b> , 42, 943-56	15
2067	Introducing a novel approach of network oriented analysis of ERPs, demonstrated on adult attention deficit hyperactivity disorder. <b>2012</b> , 123, 1568-80	30
2066	The organization of physiological brain networks. <b>2012</b> , 123, 1067-87	416
2065	Neurodegenerative dementias: From MR Physics lab to assessment room. <b>2012</b> , 127, 1	3
2064	Altered small-world properties of gray matter networks in breast cancer. <b>2012</b> , 12, 28	72
2063	Transfer entropy estimation and directional coupling change detection in biomedical time series. <b>2012</b> , 11, 19	65
2062	A new measure based on degree distribution that links information theory and network graph analysis. <b>2012</b> , 2, 7	3
2061	Disruption of functional brain networks in Alzheimer's disease: what can we learn from graph spectral analysis of resting-state magnetoencephalography?. <b>2012</b> , 2, 45-55	73
2060	Predicting errors from reconfiguration patterns in human brain networks. <b>2012</b> , 109, 16714-9	107
2059	Altered functional brain connectivity in a non-clinical sample of young adults with attention-deficit/hyperactivity disorder. <b>2012</b> , 32, 17753-61	106
2058	Impaired consciousness in epilepsy. <b>2012</b> , 11, 814-26	227

2057	Abnormal functional connectivity in children with attention-deficit/hyperactivity disorder. <b>2012</b> , 71, 443-50		261
2056	Synchronization between the anterior and posterior cortex determines consciousness level in patients with traumatic brain injury (TBI). <b>2012</b> , 1476, 22-30		31
2055	The influence of head motion on intrinsic functional connectivity MRI. <i>NeuroImage</i> , <b>2012</b> , 59, 431-8	7.9	1823
2054	Are brain networks stable during a 24-hour period?. <i>NeuroImage</i> , <b>2012</b> , 59, 456-66	7.9	37
2053	From simple graphs to the connectome: networks in neuroimaging. <i>NeuroImage</i> , <b>2012</b> , 62, 881-6	7.9	132
2052	Tracing the route to path analysis in neuroimaging. <i>NeuroImage</i> , <b>2012</b> , 62, 887-90	7.9	10
2051	Altered resting state complexity in schizophrenia. <i>NeuroImage</i> , <b>2012</b> , 59, 2196-207	7.9	298
2050	Effects of network resolution on topological properties of human neocortex. <i>NeuroImage</i> , <b>2012</b> , 59, 3522-32	7.9	63
2049	Hierarchical topological network analysis of anatomical human brain connectivity and differences related to sex and kinship. <i>NeuroImage</i> , <b>2012</b> , 59, 3784-804	7.9	52
2048	Along-tract statistics allow for enhanced tractography analysis. <i>NeuroImage</i> , <b>2012</b> , 59, 3227-42	7.9	154
2047	Frequency-dependent functional connectivity within resting-state networks: an atlas-based MEG beamformer solution. <i>NeuroImage</i> , <b>2012</b> , 59, 3909-21	7.9	295
2046	Estimation of functional connectivity in fMRI data using stability selection-based sparse partial correlation with elastic net penalty. <i>NeuroImage</i> , <b>2012</b> , 59, 3852-61	7.9	148
2045	Disrupted modular brain dynamics reflect cognitive dysfunction in Alzheimer's disease. <i>NeuroImage</i> , <b>2012</b> , 59, 3085-93	7.9	160
2044	Impact of in-scanner head motion on multiple measures of functional connectivity: relevance for studies of neurodevelopment in youth. <i>NeuroImage</i> , <b>2012</b> , 60, 623-32	7.9	837
2043	Subspace-based Identification Algorithm for characterizing causal networks in resting brain. <i>NeuroImage</i> , <b>2012</b> , 60, 1236-49	7.9	8
2042	Schizophrenia, neuroimaging and connectomics. <i>NeuroImage</i> , <b>2012</b> , 62, 2296-314	7.9	503
2041	The future of FMRI connectivity. <i>NeuroImage</i> , <b>2012</b> , 62, 1257-66	7.9	254
2040	Altered small-world topology of structural brain networks in infants with intrauterine growth restriction and its association with later neurodevelopmental outcome. <i>NeuroImage</i> , <b>2012</b> , 60, 1352-66	7.9	128

2039	Connectivity differences in brain networks. <i>NeuroImage</i> , <b>2012</b> , 60, 1055-62	7.9	157
2038	An exponential random graph modeling approach to creating group-based representative whole-brain connectivity networks. <i>NeuroImage</i> , <b>2012</b> , 60, 1117-26	7.9	71
2037	On the use of correlation as a measure of network connectivity. <i>NeuroImage</i> , <b>2012</b> , 60, 2096-106	7.9	286
2036	Measuring and comparing brain cortical surface area and other areal quantities. <i>NeuroImage</i> , <b>2012</b> , 61, 1428-43	7.9	117
2035	One-year test-retest reliability of intrinsic connectivity network fMRI in older adults. <i>NeuroImage</i> , <b>2012</b> , 61, 1471-83	7.9	178
2034	Characteristics and variability of structural networks derived from diffusion tensor imaging. <i>NeuroImage</i> , <b>2012</b> , 61, 1153-64	7.9	89
2033	Motor learning-induced changes in functional brain connectivity as revealed by means of graph-theoretical network analysis. <i>NeuroImage</i> , <b>2012</b> , 61, 633-50	7.9	49
2032	Quantitative assessment of a framework for creating anatomical brain networks via global tractography. <i>NeuroImage</i> , <b>2012</b> , 61, 1017-30	7.9	33
2031	Epileptogenic networks of type II focal cortical dysplasia: a stereo-EEG study. <i>NeuroImage</i> , <b>2012</b> , 61, 591-89	7.9	128
2030	Meta-analytic clustering of the insular cortex: characterizing the meta-analytic connectivity of the insula when involved in active tasks. <i>NeuroImage</i> , <b>2012</b> , 62, 343-55	7.9	220
2029	Hundreds of brain maps in one atlas: registering coordinate-independent primate neuro-anatomical data to a standard brain. <i>NeuroImage</i> , <b>2012</b> , 62, 67-76	7.9	44
2028	Changes in the brain intrinsic organization in both on-task state and post-task resting state. <i>NeuroImage</i> , <b>2012</b> , 62, 394-407	7.9	71
2027	Altered structural connectivity in neonates at genetic risk for schizophrenia: a combined study using morphological and white matter networks. <i>NeuroImage</i> , <b>2012</b> , 62, 1622-33	7.9	98
2026	The intrinsic connectivity distribution: a novel contrast measure reflecting voxel level functional connectivity. <i>NeuroImage</i> , <b>2012</b> , 62, 1510-9	7.9	71
2025	Human cortical connectome reconstruction from diffusion weighted MRI: the effect of tractography algorithm. <i>NeuroImage</i> , <b>2012</b> , 62, 1732-49	7.9	143
2024	Modeling the outcome of structural disconnection on resting-state functional connectivity. <i>NeuroImage</i> , <b>2012</b> , 62, 1342-53	7.9	123
2023	Enhanced functional networks in absolute pitch. <i>NeuroImage</i> , <b>2012</b> , 63, 632-40	7.9	48
2022	The changing landscape of functional brain networks for face processing in typical development. <i>NeuroImage</i> , <b>2012</b> , 63, 1223-36	7.9	35



2021	Unique topology of language processing brain network: a systems-level biomarker of schizophrenia. <b>2012</b> , 141, 128-36	28
2020	The impact of sampling density upon cortical network analysis: regions or points. <b>2012</b> , 30, 978-92	10
2019	Persistent brain network homology from the perspective of dendrogram. <b>2012</b> , 31, 2267-77	129
2018	A structural analysis of evolved complex networks-on-chip. <b>2012</b> ,	4
2017	Dynamic modulation of intrinsic functional connectivity by transcranial direct current stimulation. <b>2012</b> , 108, 3253-63	102
2016	Functional Neuroimaging in Exercise and Sport Sciences. <b>2012</b> ,	10
2015	Interaction of cortical networks mediating object motion detection by moving observers. <b>2012</b> , 221, 177-89	17
2014	Functional brain network modularity captures inter- and intra-individual variation in working memory capacity. <b>2012</b> , 7, e30468	141
2013	Effects of different correlation metrics and preprocessing factors on small-world brain functional networks: a resting-state functional MRI study. <b>2012</b> , 7, e32766	128
2012	EEG-based functional brain networks: does the network size matter?. <b>2012</b> , 7, e35673	47
2011	Knotty-centrality: finding the connective core of a complex network. <b>2012</b> , 7, e36579	30
2010	Altered small-world brain networks in schizophrenia patients during working memory performance. <b>2012</b> , 7, e38195	59
2009	Characterization of functional and structural integrity in experimental focal epilepsy: reduced network efficiency coincides with white matter changes. <b>2012</b> , 7, e39078	47
2008	Non-stationarity in the "resting brain's" modular architecture. <b>2012</b> , 7, e39731	293
2007	GAT: a graph-theoretical analysis toolbox for analyzing between-group differences in large-scale structural and functional brain networks. <b>2012</b> , 7, e40709	250
2006	Identifying controlling nodes in neuronal networks in different scales. <b>2012</b> , 7, e41375	46
2005	Relations between BOLD fMRI-derived resting brain activity and cerebral blood flow. <b>2012</b> , 7, e44556	90
2004	Rich club organization of macaque cerebral cortex and its role in network communication. <b>2012</b> , 7, e46497	201

2003	Alcohol affects the brain's resting-state network in social drinkers. <b>2012</b> , 7, e48641	25
2002	Mapping the Alzheimer's brain with connectomics. <b>2011</b> , 2, 77	82
2001	Resting state functional connectivity correlates of inhibitory control in children with attention-deficit/hyperactivity disorder. <b>2011</b> , 2, 83	40
2000	Connectomic intermediate phenotypes for psychiatric disorders. <b>2012</b> , 3, 32	77
1999	The fuzzy brain. Vagueness and mapping connectivity of the human cerebral cortex. <b>2012</b> , 6, 37	7
1998	Communication and wiring in the cortical connectome. <b>2012</b> , 6, 42	46
1997	In vivo Large-Scale Cortical Mapping Using Channelrhodopsin-2 Stimulation in Transgenic Mice Reveals Asymmetric and Reciprocal Relationships between Cortical Areas. <b>2012</b> , 6, 11	108
1996	Building blocks of self-sustained activity in a simple deterministic model of excitable neural networks. <b>2012</b> , 6, 50	29
1995	Intra- and interbrain synchronization and network properties when playing guitar in duets. <b>2012</b> , 6, 312	144
1994	Properties of functional brain networks correlate with frequency of psychogenic non-epileptic seizures. <b>2012</b> , 6, 335	35
1993	The UCLA multimodal connectivity database: a web-based platform for brain connectivity matrix sharing and analysis. <b>2012</b> , 6, 28	91
1992	Using large-scale neural models to interpret connectivity measures of cortico-cortical dynamics at millisecond temporal resolution. <b>2011</b> , 5, 102	16
1991	Impaired small-world network efficiency and dynamic functional distribution in patients with cirrhosis. <b>2012</b> , 7, e35266	36
1990	Circular representation of human cortical networks for subject and population-level connectomic visualization. <i>NeuroImage</i> , <b>2012</b> , 60, 1340-51	7.9 107
1989	Large-scale cortical correlation structure of spontaneous oscillatory activity. <b>2012</b> , 15, 884-90	674
1988	Functional immaturity of cortico-basal ganglia networks in Gilles de la Tourette syndrome. <b>2012</b> , 135, 1937-46	130
1987	The economy of brain network organization. <b>2012</b> , 13, 336-49	1874
1986	The cognitive bases of human tool use. <b>2012</b> , 35, 203-18	151

1985	The effects of connection reconstruction method on the interregional connectivity of brain networks via diffusion tractography. <b>2012</b> , 33, 1894-913	75
1984	Brain structures playing a crucial role in the representation of tools in humans and non-human primates. <b>2012</b> , 35, 224-5	
1983	Network analysis reveals increased integration during emotional and motivational processing. <b>2012</b> , 32, 8361-72	143
1982	How does the metric choice affect brain functional connectivity networks?. <b>2012</b> , 7, 228-236	22
1981	Human connectomics. <b>2012</b> , 22, 144-53	183
1980	Input-rate modulation of oscillations is sensitive to network topology, delays and short-term plasticity. <b>2012</b> , 1434, 162-77	10
1979	Optimization of seed density in DTI tractography for structural networks. <b>2012</b> , 203, 264-72	50
1978	Volume conduction effects in brain network inference from electroencephalographic recordings using phase lag index. <b>2012</b> , 207, 189-99	49
1977	Surrogate-assisted analysis of weighted functional brain networks. <b>2012</b> , 208, 165-72	21
1976	Brain connectivity and high functioning autism: a promising path of research that needs refined models, methodological convergence, and stronger behavioral links. <b>2012</b> , 36, 604-25	284
1975	Brain computer interface control via functional connectivity dynamics. <b>2012</b> , 45, 2123-2136	69
1974	Analyzing functional brain connectivity by means of commute times: a new approach and its application to track event-related dynamics. <b>2012</b> , 59, 1302-9	31
1973	Using computational models to relate structural and functional brain connectivity. <b>2012</b> , 36, 2137-45	39
1972	Dynamic changes in neural circuit topology following mild mechanical injury in vitro. <b>2012</b> , 40, 23-36	21
1971	Dynamic changes of ICA-derived EEG functional connectivity in the resting state. <b>2013</b> , 34, 852-68	81
1970	Inferring functional connectivity in MRI using Bayesian network structure learning with a modified PC algorithm. <i>NeuroImage</i> , <b>2013</b> , 75, 165-175	7.9 25
1969	Functional brain hubs and their test-retest reliability: a multiband resting-state functional MRI study. <i>NeuroImage</i> , <b>2013</b> , 83, 969-82	7.9 135
1968	Synergies of Soft Computing and Statistics for Intelligent Data Analysis. <b>2013</b> ,	2

1967	Towards Advanced Data Analysis by Combining Soft Computing and Statistics. <b>2013</b> ,		5
1966	Normalization of similarity-based individual brain networks from gray matter MRI and its association with neurodevelopment in infants with intrauterine growth restriction. <i>NeuroImage</i> , <b>2013</b> , 83, 901-11	7.9	41
1965	On the discovery of group-consistent graph substructure patterns from brain networks. <b>2013</b> , 213, 204-13		9
1964	Mapping connectivity in the developing brain. <b>2013</b> , 31, 525-42		57
1963	Inferring evoked brain connectivity through adaptive perturbation. <b>2013</b> , 34, 303-18		17
1962	Brain functional networks in syndromic and non-syndromic autism: a graph theoretical study of EEG connectivity. <b>2013</b> , 11, 54		116
1961	Multi-task connectivity reveals flexible hubs for adaptive task control. <b>2013</b> , 16, 1348-55		982
1960	Neural Engineering. <b>2013</b> ,		15
1959	Evidence for hubs in human functional brain networks. <b>2013</b> , 79, 798-813		499
1958	An anatomical substrate for integration among functional networks in human cortex. <b>2013</b> , 33, 14489-500		278
1957	Environmental Risk Factors Link Autism to Many Other Outcomes. <b>2013</b> , 223-279		
1956	Small-world networks in neuronal populations: a computational perspective. <b>2013</b> , 44, 143-56		7
1955	Altered cortical gyrification patterns in panic disorder: deficits and potential compensation. <b>2013</b> , 47, 1446-54		12
1954	Phenotypic variability in resting-state functional connectivity: current status. <b>2013</b> , 3, 99-120		76
1953	Diffusion tensor MRI of chemotherapy-induced cognitive impairment in non-CNS cancer patients: a review. <b>2013</b> , 7, 409-35		73
1952	Organization of brain networks governed by long-range connections index autistic traits in the general population. <b>2013</b> , 5, 16		28
1951	Faster Betweenness Centrality Based on Data Structure Experimentation. <b>2013</b> , 18, 399-408		26
1950	Network discovery with large DCMs. <i>NeuroImage</i> , <b>2013</b> , 68, 181-91	7.9	76

1949	Groupwise whole-brain parcellation from resting-state fMRI data for network node identification. <i>NeuroImage</i> , <b>2013</b> , 82, 403-15	7.9	499
1948	Neural processing correlates of assaultive violence exposure and PTSD symptoms during implicit threat processing: a network-level analysis among adolescent girls. <b>2013</b> , 214, 238-46		72
1947	Large-scale brain functional modularity is reflected in slow electroencephalographic rhythms across the human non-rapid eye movement sleep cycle. <i>NeuroImage</i> , <b>2013</b> , 70, 327-39	7.9	76
1946	Rich club organization and intermodule communication in the cat connectome. <b>2013</b> , 33, 12929-39		108
1945	Are high frequency oscillations associated with altered network topology in partial epilepsy?. <i>NeuroImage</i> , <b>2013</b> , 82, 564-73	7.9	51
1944	Non-uniformity of cell density and networks in the monkey brain. <b>2013</b> , 3, 2541		7
1943	Abstracts of Presentations at the International Conference on Basic and Clinical Multimodal Imaging (BaCI), a Joint Conference of the International Society for Neuroimaging in Psychiatry (ISNIP), the International Society for Functional Source Imaging (ISFSI), the International Society for Bioelectromagnetism (ISBEM), the International Society for Brain Electromagnetic Topography		4
1942	The ontogeny of the human connectome: development and dynamic changes of brain connectivity across the life span. <b>2013</b> , 19, 616-28		132
1941	Multimodal Brain Image Analysis. <b>2013</b> ,		6
1940	Small-worldness and modularity of the resting-state functional brain network decrease with aging. <b>2013</b> , 556, 104-8		60
1939	The associative-semantic network for words and pictures: effective connectivity and graph analysis. <b>2013</b> , 127, 264-72		31
1938	Functional connectomics from resting-state fMRI. <b>2013</b> , 17, 666-82		560
1937	Network hubs in the human brain. <b>2013</b> , 17, 683-96		1173
1936	Fledgling pathoconnectomics of psychiatric disorders. <b>2013</b> , 17, 641-7		94
1935	Random forests on Hadoop for genome-wide association studies of multivariate neuroimaging phenotypes. <b>2013</b> , 14 Suppl 16, S6		25
1934	Brainnetome-wide association studies in schizophrenia: the advances and future. <b>2013</b> , 37, 2818-35		20
1933	Imaging genetics towards discovery neuroscience. <b>2013</b> , 1, 227-245		15
1932	TRACTOGRAPHY DENSITY AND NETWORK MEASURES IN ALZHEIMER'S DISEASE. <b>2013</b> , 2013, 692-695		25

1931	Brain network efficiency and topology depend on the fiber tracking method: 11 tractography algorithms compared in 536 subjects. <b>2013,</b>	7
1930	Computational genetic neuroanatomy of the developing mouse brain: dimensionality reduction, visualization, and clustering. <b>2013, 14, 222</b>	20
1929	Resting state fMRI research in child psychiatric disorders. <b>2013, 22, 757-70</b>	20
1928	Functional and structural brain networks in epilepsy: what have we learned?. <b>2013, 54, 1855-65</b>	193
1927	Network structure and robustness: lessons for research programme design. <b>2013, 22, 392-411</b>	9
1926	A complex network approach to supply chain network theory. <b>2013, 33, 442-469</b>	203
1925	The structural connectome of the human brain in agenesis of the corpus callosum. <i>NeuroImage</i> , <b>2013, 70, 340-55</b>	7.9 60
1924	Disrupted functional brain connectome in individuals at risk for Alzheimer's disease. <b>2013, 73, 472-81</b>	293
1923	Predicting Treatment Response from Resting State fMRI Data: Comparison of Parcellation Approaches. <b>2013,</b>	1
1922	FLOW-BASED NETWORK MEASURES OF BRAIN CONNECTIVITY IN ALZHEIMER'S DISEASE. <b>2013, 2013, 258-261</b>	5
1921	Which method should be used for brain connectivity analysis?. <b>2013,</b>	1
1920	Two-dimensional SVD for event detection in dynamic functional brain networks. <b>2013,</b>	1
1919	Functional brain networks for sensory maintenance in top-down selective attention to audiovisual inputs. <b>2013, 21, 734-43</b>	6
1918	. <b>2013,</b>	10
1917	Aged-related changes in brain activity classification with respect to age by means of graph indexes. <b>2013, 2013, 4350-3</b>	4
1916	Querying functional brain connectomics to discover consistent subgraph patterns. <b>2013,</b>	2
1915	Adapting parcellation schemes to study fetal brain connectivity in serial imaging studies. <b>2013, 2013, 73-6</b>	5
1914	Effective connectivity and cortical information flow under visual stimulation in migraine with aura. <b>2013,</b>	

1913	Causality in variance in electrophysiological data using the ARCH model. <b>2013,</b>	
1912	Comparing Structural Brain Connectivity by the Infinite Relational Model. <b>2013,</b>	5
1911	Genome-wide scan of healthy human connectome discovers SPON1 gene variant influencing dementia severity. <b>2013,</b> 110, 4768-73	123
1910	Blog Recommender Based on Hypergraph Modeling Clustering Algorithm. <b>2013,</b>	1
1909	Assessing Graph Properties and Dynamics of the Functional Brain Networks in Alzheimer's Disease. <b>2013,</b>	1
1908	A three dimensional anatomical view of oscillatory resting-state activity and functional connectivity in Parkinson's disease related dementia: An MEG study using atlas-based beamforming. <b>2012,</b> 2, 95-102	29
1907	Abnormal brain synchrony in Down Syndrome. <b>2013,</b> 2, 703-15	81
1906	State-related functional integration and functional segregation brain networks in schizophrenia. <b>2013,</b> 150, 450-8	26
1905	Disrupted correlation between low frequency power and connectivity strength of resting state brain networks in schizophrenia. <b>2013,</b> 143, 165-71	65
1904	Disturbed resting state EEG synchronization in bipolar disorder: A graph-theoretic analysis. <b>2013,</b> 2, 414-23	98
1903	Functional connectivity changes caused by multiple sclerosis. <b>2013,</b>	1
1902	Phase synchrony in subject-specific reactive band of EEG for classification of motor imagery tasks. <b>2013,</b> 2013, 2784-7	13
1901	Complex biomarker discovery in neuroimaging data: Finding a needle in a haystack. <b>2013,</b> 3, 123-31	41
1900	Estimating false positives and negatives in brain networks. <i>NeuroImage</i> , <b>2013,</b> 70, 402-9	7.9 169
1899	New perspectives on neural systems models of adolescent behavior: Functional brain connectivity. <b>2013,</b> 61, 209-218	3
1898	The trade-off between wiring cost and network topology in white matter structural networks in health and migraine. <b>2013,</b> 248, 196-204	18
1897	Neurophysiology of juvenile myoclonic epilepsy: EEG-based network and graph analysis of the interictal and immediate preictal states. <b>2013,</b> 106, 357-69	37
1896	Multiscale topological properties of functional brain networks during motor imagery after stroke. <i>NeuroImage</i> , <b>2013,</b> 83, 438-49	7.9 55

1895	Altered functional and structural brain network organization in autism. <b>2012</b> , 2, 79-94		259
1894	Microstructural grey matter parcellation and its relevance for connectome analyses. <i>NeuroImage</i> , <b>2013</b> , 80, 18-26	7.9	31
1893	Rapid geodesic mapping of brain functional connectivity: implementation of a dedicated co-processor in a field-programmable gate array (FPGA) and application to resting state functional MRI. <b>2013</b> , 35, 1532-9		4
1892	Structural connectivity asymmetry in the neonatal brain. <i>NeuroImage</i> , <b>2013</b> , 75, 187-194	7.9	73
1891	Topological properties of large-scale structural brain networks in children with familial risk for reading difficulties. <i>NeuroImage</i> , <b>2013</b> , 71, 260-74	7.9	78
1890	The importance of being hierarchical. <b>2013</b> , 23, 187-94		134
1889	System-wide rewiring underlies behavioral differences in predatory and bacterial-feeding nematodes. <b>2013</b> , 152, 109-19		103
1888	Cerebral network disorders after stroke: evidence from imaging-based connectivity analyses of active and resting brain states in humans. <b>2013</b> , 591, 17-31		154
1887	Multivariate statistical analyses for neuroimaging data. <b>2013</b> , 64, 499-525		137
1886	Linking human brain local activity fluctuations to structural and functional network architectures. <i>NeuroImage</i> , <b>2013</b> , 73, 144-55	7.9	59
1885	Modulation of power and functional connectivity during facial affect recognition. <b>2013</b> , 33, 6018-26		36
1884	"More is different" in functional magnetic resonance imaging: a review of recent data analysis techniques. <b>2013</b> , 3, 223-39		19
1883	Volitional eyes opening perturbs brain dynamics and functional connectivity regardless of light input. <i>NeuroImage</i> , <b>2013</b> , 69, 21-34	7.9	77
1882	Measuring network's entropy in ADHD: a new approach to investigate neuropsychiatric disorders. <i>NeuroImage</i> , <b>2013</b> , 77, 44-51	7.9	37
1881	Anomalous gray matter structural networks in major depressive disorder. <b>2013</b> , 74, 777-85		104
1880	Relationship between large-scale functional and structural covariance networks in idiopathic generalized epilepsy. <b>2013</b> , 3, 240-54		49
1879	A blind deconvolution approach to recover effective connectivity brain networks from resting state fMRI data. <b>2013</b> , 17, 365-74		163
1878	The rich club of the <i>C. elegans</i> neuronal connectome. <b>2013</b> , 33, 6380-7		201



1877	The parcellation-based connectome: limitations and extensions. <i>NeuroImage</i> , <b>2013</b> , 80, 397-404	7.9	198
1876	Structural connectomics in brain diseases. <i>NeuroImage</i> , <b>2013</b> , 80, 515-26	7.9	218
1875	Network attributes for segregation and integration in the human brain. <b>2013</b> , 23, 162-71		555
1874	Learning and comparing functional connectomes across subjects. <i>NeuroImage</i> , <b>2013</b> , 80, 405-15	7.9	144
1873	Alzheimer's disease: connecting findings from graph theoretical studies of brain networks. <b>2013</b> , 34, 2023-36		279
1872	Abnormal brain network organization in body dysmorphic disorder. <b>2013</b> , 38, 1130-9		41
1871	Comparing connectivity pattern and small-world organization between structural correlation and resting-state networks in healthy adults. <i>NeuroImage</i> , <b>2013</b> , 78, 402-14	7.9	44
1870	Comparing connectomes across subjects and populations at different scales. <i>NeuroImage</i> , <b>2013</b> , 80, 416-25	7.9	55
1869	Anatomical brain networks on the prediction of abnormal brain states. <b>2013</b> , 3, 1-21		33
1868	Test-retest reliability of computational network measurements derived from the structural connectome of the human brain. <b>2013</b> , 3, 160-76		62
1867	Graph analysis of the human connectome: promise, progress, and pitfalls. <i>NeuroImage</i> , <b>2013</b> , 80, 426-44	7.9	493
1866	Emergence in the central nervous system. <b>2013</b> , 7, 173-95		13
1865	Accurate prediction of AD patients using cortical thickness networks. <b>2013</b> , 24, 1445-1457		27
1864	Nonparametric Bayesian modeling of complex networks: an introduction. <b>2013</b> , 30, 110-128		35
1863	Genetics of the connectome. <i>NeuroImage</i> , <b>2013</b> , 80, 475-88	7.9	123
1862	Networks of anatomical covariance. <i>NeuroImage</i> , <b>2013</b> , 80, 489-504	7.9	261
1861	Intrinsic architecture underlying the relations among the default, dorsal attention, and frontoparietal control networks of the human brain. <b>2013</b> , 25, 74-86		453
1860	Machine Learning with Brain Graphs: Predictive Modeling Approaches for Functional Imaging in Systems Neuroscience. <b>2013</b> , 30, 58-70		102

1859	Functional brain network organisation of children between 2 and 5 years derived from reconstructed activity of cortical sources of high-density EEG recordings. <i>NeuroImage</i> , <b>2013</b> , 82, 595-604	7.9	34
1858	Network analysis reveals patterns of antiepileptic drug use in children with medically intractable epilepsy. <b>2013</b> , 28, 22-5		3
1857	Imaging human connectomes at the macroscale. <b>2013</b> , 10, 524-39		294
1856	Graph theoretical analysis of sedation's effect on whole brain functional system in school-aged children. <b>2013</b> , 3, 177-89		5
1855	Probabilistic diffusion tractography and graph theory analysis reveal abnormal white matter structural connectivity networks in drug-naive boys with attention deficit/hyperactivity disorder. <b>2013</b> , 33, 10676-87		140
1854	HERMES: towards an integrated toolbox to characterize functional and effective brain connectivity. <b>2013</b> , 11, 405-34		149
1853	Mapping putative hubs in human, chimpanzee and rhesus macaque connectomes via diffusion tractography. <i>NeuroImage</i> , <b>2013</b> , 80, 462-74	7.9	83
1852	Testing for significance of phase synchronisation dynamics in the EEG. <b>2013</b> , 34, 411-32		5
1851	Visualizing the human connectome. <i>NeuroImage</i> , <b>2013</b> , 80, 445-61	7.9	76
1850	Abnormal rich club organization and functional brain dynamics in schizophrenia. <b>2013</b> , 70, 783-92		463
1849	Impaired inter-hemispheric integration in bipolar disorder revealed with brain network analyses. <b>2013</b> , 73, 183-93		120
1848	A weighted small world network measure for assessing functional connectivity. <b>2013</b> , 212, 133-42		43
1847	An improved framework for confound regression and filtering for control of motion artifact in the preprocessing of resting-state functional connectivity data. <i>NeuroImage</i> , <b>2013</b> , 64, 240-56	7.9	1024
1846	Enhanced frontoparietal network architectures following "gaze-contingent" versus "free-hand" motor learning. <i>NeuroImage</i> , <b>2013</b> , 64, 267-76	7.9	12
1845	Studying the topological organization of the cerebral blood flow fluctuations in resting state. <i>NeuroImage</i> , <b>2013</b> , 64, 173-84	7.9	32
1844	Development of brain structural connectivity between ages 12 and 30: a 4-Tesla diffusion imaging study in 439 adolescents and adults. <i>NeuroImage</i> , <b>2013</b> , 64, 671-84	7.9	140
1843	A left cerebellar pathway mediates language in prematurely-born young adults. <i>NeuroImage</i> , <b>2013</b> , 64, 371-8	7.9	39
1842	The emergence of abnormal hypersynchronization in the anatomical structural network of human brain. <i>NeuroImage</i> , <b>2013</b> , 65, 34-51	7.9	19

1841	Anatomical connectivity and the resting state activity of large cortical networks. <i>NeuroImage</i> , <b>2013</b> , 65, 127-38	7.9	40
1840	The structural, connectomic and network covariance of the human brain. <i>NeuroImage</i> , <b>2013</b> , 66, 489-99	7.9	26
1839	Machine Learning in Medical Imaging. <b>2013</b> ,		12
1838	Long-range connectomics. <b>2013</b> , 1305, 83-93		24
1837	Detection of preclinical neural dysfunction from functional connectivity graphs derived from task fMRI. An example from degeneration. <b>2013</b> , 214, 322-30		4
1836	Abnormal modular organization of functional networks in cognitively impaired children with frontal lobe epilepsy. <b>2013</b> , 23, 1997-2006		68
1835	The effects of alcohol on the nonhuman primate brain: a network science approach to neuroimaging. <b>2013</b> , 37, 1891-900		7
1834	Diffusion tensor imaging based network analysis detects alterations of neuroconnectivity in patients with clinically early relapsing-remitting multiple sclerosis. <b>2013</b> , 34, 3376-91		61
1833	The development of hub architecture in the human functional brain network. <b>2013</b> , 23, 2380-93		150
1832	Motor execution and imagination: a comparison of functional connectivity based on connection strength. <b>2013</b> ,		
1831	Diminished default mode network recruitment of the hippocampus and parahippocampus in temporal lobe epilepsy. <b>2013</b> , 119, 288-300		49
1830	Effective Brain Connectivity from Intracranial EEG Recordings: Identification of Epileptogenic Zone in Human Focal Epilepsies. <b>2013</b> , 87-101		2
1829	Aberrant topographical organization in gray matter structural network in late life depression: a graph theoretical analysis. <b>2013</b> , 25, 1929-40		32
1828	Amnesic mild cognitive impairment: topological reorganization of the default-mode network. <b>2013</b> , 268, 501-14		47
1827	WITHDRAWN: Mapping Connectivity in the Developing Brain. <b>2013</b> ,		
1826	Stages of neuronal network formation. <b>2013</b> , 15, 025029		6
1825	Decreased functional brain connectivity in adolescents with internet addiction. <b>2013</b> , 8, e57831		94
1824	The human functional brain network demonstrates structural and dynamical resilience to targeted attack. <b>2013</b> , 9, e1002885		45

1823	Overview of potential procedural and participant-related confounds for neuroimaging of the resting state. <b>2013</b> , 38, 84-96	53
1822	Traumatic brain injury impairs small-world topology. <b>2013</b> , 80, 1826-33	138
1821	Causal Relationships and Network Parameters in Effective Brain Connectivity. <b>2013</b> ,	
1820	Functional connectivity in islets of Langerhans from mouse pancreas tissue slices. <b>2013</b> , 9, e1002923	100
1819	Successful reconstruction of a physiological circuit with known connectivity from spiking activity alone. <b>2013</b> , 9, e1003138	52
1818	Neuronal functional connection graphs among multiple areas of the rat somatosensory system during spontaneous and evoked activities. <b>2013</b> , 9, e1003104	11
1817	Dynamic change of global and local information processing in propofol-induced loss and recovery of consciousness. <b>2013</b> , 9, e1003271	97
1816	Differential functional connectivity within an emotion regulation neural network among individuals resilient and susceptible to the depressogenic effects of early life stress. <b>2013</b> , 43, 507-18	177
1815	Connectomics and epilepsy. <b>2013</b> , 26, 186-94	172
1814	Neural network modeling of EEG patterns in encephalopathy. <b>2013</b> , 30, 545-52	10
1813	Prediction of SSVEP-based BCI performance by the resting-state EEG network. <b>2013</b> , 10, 066017	41
1812	Altered functional and structural connectivity networks in psychogenic non-epileptic seizures. <b>2013</b> , 8, e63850	78
1811	Quantitative Assessment of Brain Networks in Children With Sturge-Weber Syndrome Using Resting State Functional Magnetic Resonance Imaging (MRI). <b>2013</b> , 28, 1448-1455	5
1810	INFORMATION AND SELF-ORGANIZATION OF BEHAVIOR. <b>2013</b> , 16, 1303001	13
1809	Cognitive relevance of the community structure of the human brain functional coactivation network. <b>2013</b> , 110, 11583-8	307
1808	Global functional connectivity abnormalities in children with fetal alcohol spectrum disorders. <b>2013</b> , 37, 748-56	62
1807	Assessing Structural Organization and Functional Interaction in Gyral, Sulcal and Cortical Networks. <b>2013</b> , 9-17	1
1806	Potential use and challenges of functional connectivity mapping in intractable epilepsy. <b>2013</b> , 4, 39	44

1805	Age of onset of blindness affects brain anatomical networks constructed using diffusion tensor tractography. <b>2013</b> , 23, 542-51	33
1804	A machine learning approach to automated structural network analysis: application to neonatal encephalopathy. <b>2013</b> , 8, e78824	20
1803	Structural connectivity in schizophrenia and its impact on the dynamics of spontaneous functional networks. <b>2013</b> , 23, 046111	43
1802	Exploring functional connectivity networks with multichannel brain array coils. <b>2013</b> , 3, 302-15	12
1801	A prediction model for cognitive performance in health ageing using diffusion tensor imaging with graph theory. <b>2013</b> , 2013, 527-30	1
1800	Magnetic resonance field strength effects on diffusion measures and brain connectivity networks. <b>2013</b> , 3, 72-86	33
1799	The Network Modification (NeMo) Tool: elucidating the effect of white matter integrity changes on cortical and subcortical structural connectivity. <b>2013</b> , 3, 451-63	61
1798	Cortical network properties revealed by SSVEP in anesthetized rats. <b>2013</b> , 3, 2496	25
1797	Graph-based analysis of brain connectivity during spelling task. <b>2013</b> ,	6
1796	Exploratory factor analysis of brain networks reveals sub-networks related to cognitive performance. <b>2013</b> ,	2
1795	Modularity gradients: Measuring the contribution of edges to the community structure of a brain network. <b>2013</b> ,	1
1794	. <b>2013</b> ,	
1793	Causal and structural connectivity of pulse-coupled nonlinear networks. <b>2013</b> , 111, 054102	30
1792	Matching structural, effective, and functional connectivity: a comparison between structural equation modeling and ancestral graphs. <b>2013</b> , 3, 375-85	3
1791	Using brain connectivity measure of EEG synchronostates for discriminating typical and Autism Spectrum Disorder. <b>2013</b> ,	8
1790	Disrupted cerebellar connectivity reduces whole-brain network efficiency in multiple system atrophy. <b>2013</b> , 28, 362-9	21
1789	Disruption of cerebral networks and cognitive impairment in Alzheimer disease. <b>2013</b> , 80, 1370-7	103
1788	Orbitofrontal cortex neurofeedback produces lasting changes in contamination anxiety and resting-state connectivity. <b>2013</b> , 3, e250	116

1787	Disruption of the cerebral white matter network is related to slowing of information processing speed in patients with type 2 diabetes. <b>2013</b> , 62, 2112-5	114
1786	Energetic cost of brain functional connectivity. <b>2013</b> , 110, 13642-7	331
1785	Network measures for information extraction in evolutionary algorithms. <b>2013</b> , 6, 1163-1188	8
1784	Dynamic network centrality summarizes learning in the human brain. <b>2013</b> , 1, 83-92	48
1783	Moving Forward (and Beyond) the Modularity Debate: A Network Perspective. <b>2013</b> , 80, 356-377	52
1782	Brain network connectivity assessed using graph theory in frontotemporal dementia. <b>2013</b> , 81, 134-43	99
1781	Analyzing complex functional brain networks: Fusing statistics and network science to understand the brain. <b>2013</b> , 7, 1-36	84
1780	SBEToolbox: A Matlab Toolbox for Biological Network Analysis. <b>2013</b> , 9, 355-62	31
1779	Neocortical pathological high-frequency oscillations are associated with frequency-dependent alterations in functional network topology. <b>2013</b> , 110, 2475-83	32
1778	Fast GPU Algorithm for Analyzing Effective Connectivity in Functional Brain Imaging. <b>2013</b> , 46, 349-352	
1777	SSVEP Responses Reveal the Efficiency of Functional Brain Network Entrained by the Flickering Stimulus. <b>2013</b> , 46, 619-623	
1776	On the Effect of Volume Conduction on Graph Theoretic Measures of Brain Networks in Epilepsy. <b>2013</b> , 103-130	11
1775	The effect of neuronal activity and connectivity on Alzheimer's disease: a new direction and its implications for future treatment strategies. <b>2013</b> , 3, 93-95	
1774	Intrinsic connectivity network disruption in progressive supranuclear palsy. <b>2013</b> , 73, 603-16	70
1773	From brain topography to brain topology: relevance of graph theory to functional neuroscience. <b>2013</b> , 24, 536-43	19
1772	Multiple microbleeds are related to cerebral network disruptions in patients with early Alzheimer's disease. <b>2014</b> , 38, 211-21	66
1771	Developing neuronal networks: self-organized criticality predicts the future. <b>2013</b> , 3, 1081	22
1770	Brain Connections [Resting State fMRI Functional Connectivity. <b>2013</b> ,	6

1769	Statistical Analysis of Brain MRI Data. <b>2013</b> , 33, 145-174	1
1768	Multiscale Network Organization in the Human Brain. <b>2013</b> , 179-204	14
1767	Identification of a functional connectome for long-term fear memory in mice. <b>2013</b> , 9, e1002853	148
1766	Perfusion network shift during seizures in medial temporal lobe epilepsy. <b>2013</b> , 8, e53204	42
1765	Single-subject grey matter graphs in Alzheimer's disease. <b>2013</b> , 8, e58921	80
1764	Changes in task-related functional connectivity across multiple spatial scales are related to reading performance. <b>2013</b> , 8, e59204	12
1763	Improved diagnosis in children with partial epilepsy using a multivariable prediction model based on EEG network characteristics. <b>2013</b> , 8, e59764	40
1762	Autistic traits in neurotypical adults: correlates of graph theoretical functional network topology and white matter anisotropy patterns. <b>2013</b> , 8, e60982	26
1761	A hybrid CPU-GPU accelerated framework for fast mapping of high-resolution human brain connectome. <b>2013</b> , 8, e62789	19
1760	Combining classification with fMRI-derived complex network measures for potential neurodiagnostics. <b>2013</b> , 8, e62867	35
1759	Influence of choice of null network on small-world parameters of structural correlation networks. <b>2013</b> , 8, e67354	29
1758	Functional cortical hubs in the eyes-closed resting human brain from an electrophysiological perspective using magnetoencephalography. <b>2013</b> , 8, e68192	18
1757	BrainNet Viewer: a network visualization tool for human brain connectomics. <b>2013</b> , 8, e68910	1913
1756	Altered white matter architecture in BDNF met carriers. <b>2013</b> , 8, e69290	15
1755	Network-level structural abnormalities of cerebral cortex in type 1 diabetes mellitus. <b>2013</b> , 8, e71304	16
1754	A Graph theoretical approach to study the organization of the cortical networks during different mathematical tasks. <b>2013</b> , 8, e71800	24
1753	Intra- and inter-frequency brain network structure in health and schizophrenia. <b>2013</b> , 8, e72351	45
1752	Test-retest reliability of graph metrics in functional brain networks: a resting-state fNIRS study. <b>2013</b> , 8, e72425	57

1751	SSVEP response is related to functional brain network topology entrained by the flickering stimulus. <b>2013</b> , 8, e72654	29
1750	Evaluation of node-inhomogeneity effects on the functional brain network properties using an anatomy-constrained hierarchical brain parcellation. <b>2013</b> , 8, e74935	17
1749	Altered resting state brain networks in Parkinson's disease. <b>2013</b> , 8, e77336	157
1748	Aging brain from a network science perspective: something to be positive about?. <b>2013</b> , 8, e78345	8
1747	Functional brain networks: random, "small world" or deterministic?. <b>2013</b> , 8, e78763	23
1746	Abnormal organization of white matter network in patients with no dementia after ischemic stroke. <b>2013</b> , 8, e81388	13
1745	Disrupted topological organization in whole-brain functional networks of heroin-dependent individuals: a resting-state FMRI study. <b>2013</b> , 8, e82715	33
1744	BOLD Granger causality reflects vascular anatomy. <b>2013</b> , 8, e84279	43
1743	Multiple kernel learning captures a systems-level functional connectivity biomarker signature in amyotrophic lateral sclerosis. <b>2013</b> , 8, e85190	44
1742	Bimanual motor coordination in older adults is associated with increased functional brain connectivity--a graph-theoretical analysis. <b>2013</b> , 8, e62133	30
1741	Neuronize: a tool for building realistic neuronal cell morphologies. <b>2013</b> , 7, 15	15
1740	Topological dynamics in spike-timing dependent plastic model neural networks. <b>2013</b> , 7, 70	9
1739	Stability constraints on large-scale structural brain networks. <b>2013</b> , 7, 31	10
1738	The relevance of network micro-structure for neural dynamics. <b>2013</b> , 7, 72	19
1737	Large-scale network organization in the avian forebrain: a connectivity matrix and theoretical analysis. <b>2013</b> , 7, 89	136
1736	Quantifying network properties in multi-electrode recordings: spatiotemporal characterization and inter-trial variation of evoked gamma oscillations in mouse somatosensory cortex in vitro. <b>2013</b> , 7, 134	2
1735	Temporal binding of sound emerges out of anatomical structure and synaptic dynamics of auditory cortex. <b>2013</b> , 7, 152	5
1734	Defining nodes in complex brain networks. <b>2013</b> , 7, 169	120



1733	Identification of the Epileptogenic Zone from Stereo-EEG Signals: A Connectivity-Graph Theory Approach. <b>2013</b> , 4, 175	41
1732	Caffeine-Induced Global Reductions in Resting-State BOLD Connectivity Reflect Widespread Decreases in MEG Connectivity. <b>2013</b> , 7, 63	30
1731	A longitudinal study of structural brain network changes with normal aging. <b>2013</b> , 7, 113	41
1730	Brain and effort: brain activation and effort-related working memory in healthy participants and patients with working memory deficits. <b>2013</b> , 7, 140	57
1729	Graph network analysis of immediate motor-learning induced changes in resting state BOLD. <b>2013</b> , 7, 166	36
1728	Directionality in hyperbrain networks discriminates between leaders and followers in guitar duets. <b>2013</b> , 7, 234	73
1727	Extraversion and neuroticism relate to topological properties of resting-state brain networks. <b>2013</b> , 7, 257	44
1726	Parcellation of the cingulate cortex at rest and during tasks: a meta-analytic clustering and experimental study. <b>2013</b> , 7, 275	28
1725	Graph theory reveals disconnected hubs in 22q11DS and altered nodal efficiency in patients with hallucinations. <b>2013</b> , 7, 402	52
1724	Atypical modulation of distant functional connectivity by cognitive state in children with Autism Spectrum Disorders. <b>2013</b> , 7, 482	36
1723	Task vs. rest-different network configurations between the coactivation and the resting-state brain networks. <b>2013</b> , 7, 493	123
1722	Decreased small-world functional network connectivity and clustering across resting state networks in schizophrenia: an fMRI classification tutorial. <b>2013</b> , 7, 520	65
1721	Intrinsic functional network organization in high-functioning adolescents with autism spectrum disorder. <b>2013</b> , 7, 573	106
1720	Abnormalities of functional brain networks in pathological gambling: a graph-theoretical approach. <b>2013</b> , 7, 625	35
1719	Exploring the brains of Baduk (Go) experts: gray matter morphometry, resting-state functional connectivity, and graph theoretical analysis. <b>2013</b> , 7, 633	15
1718	Topological correlations of structural and functional networks in patients with traumatic brain injury. <b>2013</b> , 7, 726	52
1717	Reduced Theta Connectivity during Set-Shifting in Children with Autism. <b>2013</b> , 7, 785	53
1716	Network efficiency in autism spectrum disorder and its relation to brain overgrowth. <b>2013</b> , 7, 845	32

1715	Functional connectivity networks with and without global signal correction. <b>2013</b> , 7, 880	36
1714	Addressing head motion dependencies for small-world topologies in functional connectomics. <b>2013</b> , 7, 910	125
1713	The Virtual Brain: a simulator of primate brain network dynamics. <b>2013</b> , 7, 10	214
1712	Network analysis of acupuncture points used in the treatment of low back pain. <b>2013</b> , 2013, 402180	27
1711	Brain connectivity plasticity in the motor network after ischemic stroke. <b>2013</b> , 2013, 924192	44
1710	The Connectome Visualization Utility: software for visualization of human brain networks. <b>2014</b> , 9, e113838	20
1709	Brain Network Organization in Focal Epilepsy: A Systematic Review and Meta-Analysis. <b>2014</b> , 9, e114606	84
1708	Emergence of small-world anatomical networks in self-organizing clustered neuronal cultures. <b>2014</b> , 9, e85828	24
1707	Neural plasticity in human brain connectivity: the effects of long term deep brain stimulation of the subthalamic nucleus in Parkinson's disease. <b>2014</b> , 9, e86496	71
1706	Small modifications to network topology can induce stochastic bistable spiking dynamics in a balanced cortical model. <b>2014</b> , 9, e88254	11
1705	Generalization of clustering coefficients to signed correlation networks. <b>2014</b> , 9, e88669	28
1704	Functional and structural network impairment in childhood frontal lobe epilepsy. <b>2014</b> , 9, e90068	40
1703	Information transfer and criticality in the Ising model on the human connectome. <b>2014</b> , 9, e93616	50
1702	Altered network topologies and hub organization in adults with autism: a resting-state fMRI study. <b>2014</b> , 9, e94115	85
1701	Mapping small-world properties through development in the human brain: disruption in schizophrenia. <b>2014</b> , 9, e96176	40
1700	Stochastic blockmodeling of the modules and core of the <i>Caenorhabditis elegans</i> connectome. <b>2014</b> , 9, e97584	45
1699	How do you feel when you can't feel your body? Interoception, functional connectivity and emotional processing in depersonalization-derealization disorder. <b>2014</b> , 9, e98769	73
1698	Large-scale, high-resolution multielectrode-array recording depicts functional network differences of cortical and hippocampal cultures. <b>2014</b> , 9, e105324	37

1697	Probabilistic diffusion tractography reveals improvement of structural network in musicians. <b>2014</b> , 9, e105508	18
1696	Consensus between pipelines in structural brain networks. <b>2014</b> , 9, e111262	14
1695	Hyper-brain networks support romantic kissing in humans. <b>2014</b> , 9, e112080	36
1694	Motif-role-fingerprints: the building-blocks of motifs, clustering-coefficients and transitivities in directed networks. <b>2014</b> , 9, e114503	11
1693	Reproducibility and robustness of graph measures of the associative-semantic network. <b>2014</b> , 9, e115215	8
1692	Validation of network communicability metrics for the analysis of brain structural networks. <b>2014</b> , 9, e115503	20
1691	Investigating ongoing brain oscillations and their influence on conscious perception - network states and the window to consciousness. <b>2014</b> , 5, 1230	30
1690	Fluid intelligence and brain functional organization in aging yoga and meditation practitioners. <b>2014</b> , 6, 76	62
1689	The age-related posterior-anterior shift as revealed by voxelwise analysis of functional brain networks. <b>2014</b> , 6, 301	30
1688	Homeostatic structural plasticity can account for topology changes following deafferentation and focal stroke. <b>2014</b> , 8, 115	17
1687	Slicing, sampling, and distance-dependent effects affect network measures in simulated cortical circuit structures. <b>2014</b> , 8, 125	2
1686	Attributed graph distance measure for automatic detection of attention deficit hyperactive disordered subjects. <b>2014</b> , 8, 64	45
1685	Assessing dynamics, spatial scale, and uncertainty in task-related brain network analyses. <b>2014</b> , 8, 31	7
1684	Statistical network analysis for functional MRI: summary networks and group comparisons. <b>2014</b> , 8, 51	27
1683	Quantifying uncertainty in brain network measures using Bayesian connectomics. <b>2014</b> , 8, 126	9
1682	Granger causality analysis reveals distinct spatio-temporal connectivity patterns in motor and perceptual visuo-spatial working memory. <b>2014</b> , 8, 146	14
1681	Systematic network lesioning reveals the core white matter scaffold of the human brain. <b>2014</b> , 8, 51	37
1680	Diffusion imaging of cerebral white matter in persons who stutter: evidence for network-level anomalies. <b>2014</b> , 8, 54	63

1679	Network analysis of perception-action coupling in infants. <b>2014</b> , 8, 209	11
1678	Language in the brain at rest: new insights from resting state data and graph theoretical analysis. <b>2014</b> , 8, 228	43
1677	Investigating the structure of semantic networks in low and high creative persons. <b>2014</b> , 8, 407	148
1676	Optimized Gamma Synchronization Enhances Functional Binding of Fronto-Parietal Cortices in Mathematically Gifted Adolescents during Deductive Reasoning. <b>2014</b> , 8, 430	8
1675	Simulated rich club lesioning in brain networks: a scaffold for communication and integration?. <b>2014</b> , 8, 647	63
1674	Delayed convergence between brain network structure and function in rolandic epilepsy. <b>2014</b> , 8, 704	25
1673	Fetal functional imaging portrays heterogeneous development of emerging human brain networks. <b>2014</b> , 8, 852	77
1672	Behavioral, computational, and neuroimaging studies of acquired apraxia of speech. <b>2014</b> , 8, 892	16
1671	Dynamic connectivity states estimated from resting fMRI Identify differences among Schizophrenia, bipolar disorder, and healthy control subjects. <b>2014</b> , 8, 897	271
1670	Changes in global and regional modularity associated with increasing working memory load. <b>2014</b> , 8, 954	55
1669	Frequency-specific network topologies in the resting human brain. <b>2014</b> , 8, 1022	23
1668	Neuroinformatics challenges to the structural, connectomic, functional and electrophysiological multimodal imaging of human traumatic brain injury. <b>2014</b> , 8, 19	11
1667	Polarity-specific high-level information propagation in neural networks. <b>2014</b> , 8, 27	3
1666	Integrating neuroinformatics tools in TheVirtualBrain. <b>2014</b> , 8, 36	22
1665	Reproducibility of graph metrics of human brain structural networks. <b>2014</b> , 8, 46	26
1664	Whole brain functional connectivity using phase locking measures of resting state magnetoencephalography. <b>2014</b> , 8, 141	22
1663	Homeostatic structural plasticity increases the efficiency of small-world networks. <b>2014</b> , 6, 7	30
1662	Effects of transient unilateral functional brain disruption on global neural network status in rats: a methods paper. <b>2014</b> , 8, 40	4

1661	Large-scale resting state network correlates of cognitive impairment in Parkinson's disease and related dopaminergic deficits. <b>2014</b> , 8, 45	69
1660	Best of both worlds: promise of combining brain stimulation and brain connectome. <b>2014</b> , 8, 132	54
1659	Detect AD Patients by Using EEG Coherence Analysis. <b>2014</b> , 2014, 236734	13
1658	Clustering-led complex brain networks approach. <b>2014</b> , 24, 2955-62	
1657	Modeling Contagion and Systemic Risk. <b>2014</b> ,	7
1656	A Novel Partitioning Algorithm for Optimizing Neuron-to-Neuron Pathways through NoC in BMI. <b>2014</b> ,	
1655	Atypical resting synchrony in autism spectrum disorder. <b>2014</b> , 35, 6049-66	54
1654	Functional connectivity and temporal variability of brain connections in adults with attention deficit/hyperactivity disorder and bipolar disorder. <b>2014</b> , 69, 65-75	34
1653	EEG synchronization and brain networks: A case study in fatigue. <b>2014</b> ,	1
1652	Functional brain networks related to working memory using phase synchrony analysis. <b>2014</b> ,	
1651	Identifying group discriminative and age regressive sub-networks from DTI-based connectivity via a unified framework of non-negative matrix factorization and graph embedding. <b>2014</b> , 18, 1337-48	16
1650	A complex network based feature extraction for image retrieval. <b>2014</b> ,	3
1649	Individual cortical connectivity changes after stroke: a resampling approach to enable statistical assessment at single-subject level. <b>2014</b> , 2014, 2785-8	1
1648	A non-parametric statistical test to compare clusters with applications in functional magnetic resonance imaging data. <b>2014</b> , 33, 4949-62	4
1647	Single-subject gray matter graph properties and their relationship with cognitive impairment in early- and late-onset Alzheimer's disease. <b>2014</b> , 4, 337-46	46
1646	Multiple subject analysis of functional brain network communities through co-regularized spectral clustering. <b>2014</b> , 2014, 5992-5	1
1645	Disrupted structural connectome is associated with both psychometric and real-world neuropsychological impairment in diffuse traumatic brain injury. <b>2014</b> , 20, 887-96	38
1644	Neurobiological basis of head motion in brain imaging. <b>2014</b> , 111, 6058-62	221

1643	An effective method to improve the robustness of small-world networks under attack. <b>2014</b> , 23, 088902	5
1642	Optimal network structure to induce the maximal small-world effect. <b>2014</b> , 23, 028902	0
1641	Analysis of fatigue using EEG state-space analysis. <b>2014</b> ,	1
1640	Vector Weights and Dual Graphs: An Emphasis on Connections in Brain Network Analysis. <b>2014</b> , 3-12	
1639	Computational Diffusion MRI. <b>2014</b> ,	3
1638	Risky monetary behavior in chronic back pain is associated with altered modular connectivity of the nucleus accumbens. <b>2014</b> , 7, 739	25
1637	Multivariate partial coherence analysis for identification of neuronal connectivity from multiple electrode array recordings. <b>2014</b> ,	1
1636	Human brain hubs(provincial and connector) identification using centrality measures. <b>2014</b> ,	3
1635	Network inefficiencies in autism spectrum disorder at 24 months. <b>2014</b> , 4, e388	73
1634	Distance-based analysis of variance: Approximate inference. <b>2014</b> , 7, 450-470	8
1633	Using Pareto optimality to explore the topology and dynamics of the human connectome. <b>2014</b> , 369,	34
1632	Impact of multivariate Granger causality analyses with embedded dimension reduction on network modules. <b>2014</b> , 2014, 2797-800	5
1631	Mapping the hierarchical layout of the structural network of the macaque prefrontal cortex. <b>2014</b> , 24, 1178-94	46
1630	Mechanisms of zero-lag synchronization in cortical motifs. <b>2014</b> , 10, e1003548	91
1629	Functional connectivity relationships predict similarities in task activation and pattern information during associative memory encoding. <b>2014</b> , 26, 1085-99	39
1628	Resolving anatomical and functional structure in human brain organization: identifying mesoscale organization in weighted network representations. <b>2014</b> , 10, e1003712	45
1627	Connectivity at a crossroads: what white matter integrity can tell us about cognitive impairment. <b>2014</b> , 83, 296-7	
1626	Communication efficiency and congestion of signal traffic in large-scale brain networks. <b>2014</b> , 10, e1003427	75

1625	Scientific Visualization. <b>2014,</b>		11
1624	Small-world characteristics of EEG patterns in post-anoxic encephalopathy. <b>2014, 5, 97</b>		11
1623	A neural population model incorporating dopaminergic neurotransmission during complex voluntary behaviors. <b>2014, 10, e1003924</b>		7
1622	Resolving structural variability in network models and the brain. <b>2014, 10, e1003491</b>		71
1621	A network convergence zone in the hippocampus. <b>2014, 10, e1003982</b>		61
1620	Influence of wiring cost on the large-scale architecture of human cortical connectivity. <b>2014, 10, e1003557</b>		67
1619	Morphological brain network assessed using graph theory and network filtration in deaf adults. <b>2014, 315, 88-98</b>		27
1618	Longer gestation is associated with more efficient brain networks in preadolescent children. <i>NeuroImage</i> , <b>2014, 100, 619-27</b>	7.9	45
1617	Structural network analysis of brain development in young preterm neonates. <i>NeuroImage</i> , <b>2014, 101, 667-80</b>	7.9	70
1616	Threat-related learning relies on distinct dorsal prefrontal cortex network connectivity. <i>NeuroImage</i> , <b>2014, 102 Pt 2, 904-12</b>	7.9	55
1615	The shareholding similarity of the shareholders of the worldwide listed energy companies based on a two-mode primitive network and a one-mode derivative holding-based network. <b>2014, 415, 525-532</b>		32
1614	Estimation of Fatigue in Drivers by Analysis of Brain Networks. <b>2014,</b>		3
1613	Highlighting the structure-function relationship of the brain with the Ising model and graph theory. <b>2014, 2014, 237898</b>		18
1612	Emergence of assortative mixing between clusters of cultured neurons. <b>2014, 10, e1003796</b>		44
1611	Comparative analysis of the macroscale structural connectivity in the macaque and human brain. <b>2014, 10, e1003529</b>		52
1610	Spectral signatures of reorganised brain networks in disorders of consciousness. <b>2014, 10, e1003887</b>		114
1609	Correlation networks for identifying changes in brain connectivity during epileptiform discharges and transcranial magnetic stimulation. <b>2014, 14, 12585-97</b>		16
1608	Reconstructing effective phase connectivity of oscillator networks from observations. <b>2014, 16, 085013</b>		56

1607	Research and Implementation of Internet Topology Based on AB Model. <b>2014</b> , 1042, 207-211	1
1606	Abnormal functional resting-state networks in ADHD: graph theory and pattern recognition analysis of fMRI data. <b>2014</b> , 2014, 380531	60
1605	Interaction between neuroanatomical and psychological changes after mindfulness-based training. <b>2014</b> , 9, e108359	45
1604	The Default Network of the Brain. <b>2014</b> , 169-181	
1603	Reproducibility of functional connectivity and graph measures based on the phase lag index (PLI) and weighted phase lag index (wPLI) derived from high resolution EEG. <b>2014</b> , 9, e108648	108
1602	Global genetic variations predict brain response to faces. <b>2014</b> , 10, e1004523	15
1601	A weighted and directed interareal connectivity matrix for macaque cerebral cortex. <b>2014</b> , 24, 17-36	517
1600	Changes in brain functional connectivity after chronic haloperidol in rats: a network analysis. <b>2014</b> , 17, 1129-38	11
1599	Structural network efficiency is associated with cognitive impairment in small-vessel disease. <b>2014</b> , 83, 304-11	171
1598	Sparse and shrunken estimates of MRI networks in the brain and their influence on network properties. <b>2014</b> ,	
1597	Anesthetic-induced changes in EEG activity: A graph theoretical approach. <b>2014</b> ,	
1596	Revisiting Edge and Node Parallelism for Dynamic GPU Graph Analytics. <b>2014</b> ,	15
1595	Structural and functional rich club organization of the brain in children and adults. <b>2014</b> , 9, e88297	123
1594	Task-dependent reorganization of functional connectivity networks during visual semantic decision making. <b>2014</b> , 4, 877-85	32
1593	Functional parcellations affect the network measures in graph analysis of resting-state fMRI. <b>2014</b> ,	2
1592	Study of the brain functional network using synthetic data. <b>2014</b> ,	6
1591	Mapping cortical functions with a local community detection algorithm. <b>2014</b> , 2, 637-653	7
1590	Novel ThickNet features for the discrimination of amnesic MCI subtypes. <b>2014</b> , 6, 284-95	8



1589	Reduced beta band connectivity during number estimation in autism. <b>2014</b> , 6, 202-13	24
1588	Joint laplacian diagonalization for multi-modal brain community detection. <b>2014</b> ,	0
1587	Information transfer efficiency during rest and task a functional connectome approach. <b>2014</b> ,	3
1586	Optogenetic mapping after stroke reveals network-wide scaling of functional connections and heterogeneous recovery of the peri-infarct. <b>2014</b> , 34, 16455-66	67
1585	ELUCIDATING BRAIN CONNECTIVITY NETWORKS IN MAJOR DEPRESSIVE DISORDER USING CLASSIFICATION-BASED SCORING. <b>2014</b> , 2014, 246-249	11
1584	Investigating the neural basis of cooperative joint action. An EEG hyperscanning study. <b>2014</b> , 2014, 4896-9	16
1583	Beyond the tripartite cognition-emotion-interoception model of the human insular cortex. <b>2014</b> , 26, 16-27	171
1582	Analysis of structural brain connectivity in 6 cases of hemispherectomy. <b>2014</b> ,	
1581	Changes in functional brain networks following sports-related concussion in adolescents. <b>2014</b> , 31, 1914-9	39
1580	Age-related reorganizational changes in modularity and functional connectivity of human brain networks. <b>2014</b> , 4, 662-76	140
1579	Identification of dynamic functional brain network states through tensor decomposition. <b>2014</b> ,	5
1578	Decreased coherence and functional connectivity of electroencephalograph in Alzheimer's disease. <b>2014</b> , 24, 033136	43
1577	Motor task-based differences in brain networks: preliminary results. <b>2014</b> , 2014, 4940-3	1
1576	Heritability of structural brain network topology: a DTI study of 156 twins. <b>2014</b> , 35, 5295-305	50
1575	Topological graph kernel on multiple thresholded functional connectivity networks for mild cognitive impairment classification. <b>2014</b> , 35, 2876-97	77
1574	Research and Implementation of Internet Topology Based on BRITE. <b>2014</b> , 1042, 203-206	
1573	Network concepts to describe channel importance and change in multichannel systems: test results for the Jamuna River, Bangladesh. <b>2014</b> , 39, 766-778	45
1572	Different neural manifestations of two slow frequency bands in resting functional magnetic resonance imaging: a systemic survey at regional, interregional, and network levels. <b>2014</b> , 4, 242-55	45

1571	The hubs of the human connectome are generally implicated in the anatomy of brain disorders. <b>2014</b> , 137, 2382-95		717
1570	Characteristics of the default mode functional connectivity in normal ageing and Alzheimer's disease using resting state fMRI with a combined approach of entropy-based and graph theoretical measurements. <i>NeuroImage</i> , <b>2014</b> , 101, 778-86	7.9	72
1569	Linking macroscale graph analytical organization to microscale neuroarchitectonics in the macaque connectome. <b>2014</b> , 34, 12192-205		115
1568	Altered topological properties of the cortical motor-related network in patients with subcortical stroke revealed by graph theoretical analysis. <b>2014</b> , 35, 3343-59		34
1567	Multichannel rivers: their definition and classification. <b>2014</b> , 39, 26-37		81
1566	pFDR and pFNR estimation for brain networks construction. <b>2014</b> , 33, 158-69		5
1565	Altered structural brain connectome in young adult fragile X premutation carriers. <b>2014</b> , 35, 4518-30		14
1564	Percolation of spatially constrained Erdős-Rényi networks with degree correlations. <b>2014</b> , 89, 012116		22
1563	Disrupted anatomic white matter network in left mesial temporal lobe epilepsy. <b>2014</b> , 55, 674-682		59
1562	Simple, distance-dependent formulation of the Watts-Strogatz model for directed and undirected small-world networks. <b>2014</b> , 90, 062801		13
1561	Disruption of structural and functional networks in long-standing multiple sclerosis. <b>2014</b> , 35, 5946-61		60
1560	Functional brain networks formed using cross-sample entropy are scale free. <b>2014</b> , 4, 454-64		12
1559	Hallucinogenic mechanisms: pathological and pharmacological insights. <b>2014</b> , 119-149		6
1558	A graph theoretic approach to dynamic functional connectivity tracking and network state identification. <b>2014</b> , 2014, 6004-7		5
1557	Topological changes of the effective connectivity during the working memory training. <b>2014</b> , 2014, 6242-5		4
1556	Efficiency of weak brain connections support general cognitive functioning. <b>2014</b> , 35, 4566-82		110
1555	A Network Theory View on the Thalamo-Cortical Loop. <b>2014</b> , 46, 391-397		1
1554	Brain network dynamics characterization in epileptic seizures. <b>2014</b> , 223, 2933-2941		8

1553	Reduced beta connectivity during emotional face processing in adolescents with autism. <b>2014</b> , 5, 51	40
1552	What light have resting state fMRI studies shed on cognition and mood in Parkinson's disease?. <b>2014</b> , 1, 4	3
1551	Extracting Transition Rules from a 3-Dimensional Cellular Automaton Representing fMRI Data of a Visual Stimulus Experiment. <b>2014</b> ,	
1550	Combining Multiple Network Features for Mild Cognitive Impairment Classification. <b>2014</b> ,	1
1549	Hemispheric asymmetry of electroencephalography-based functional brain networks. <b>2014</b> , 25, 1266-71	8
1548	Design and Evaluation of Technology-Agnostic Heterogeneous Networks-on-Chip. <b>2014</b> , 10, 1-27	3
1547	Automatic classification of Alzheimer's disease with resting-state fMRI and graph theory. <b>2014</b> ,	2
1546	Seizure termination. <b>2014</b> , 114, 187-207	16
1545	Functional network architecture predicts psychologically mediated analgesia related to treatment in chronic knee pain patients. <b>2014</b> , 34, 3924-36	57
1544	Study on the Relationships between Intrinsic Functional Connectivity of the Default Mode Network and Transient Epileptic Activity. <b>2014</b> , 5, 201	26
1543	Auditory-prefrontal axonal connectivity in the macaque cortex: quantitative assessment of processing streams. <b>2014</b> , 135, 73-84	4
1542	Stochastic geometric network models for groups of functional and structural connectomes. <i>NeuroImage</i> , <b>2014</b> , 101, 473-84	7.9 13
1541	Single Neuron Modeling. <b>2014</b> , 3-62	
1540	On the Cross-Disciplinary Nature of Guided Self-Organisation. <b>2014</b> , 3-15	3
1539	Functional bimodality in the brain networks of preterm and term human newborns. <b>2014</b> , 24, 2657-68	59
1538	Disrupted modular architecture of cerebellum in schizophrenia: a graph theoretic analysis. <b>2014</b> , 40, 1216-26	50
1537	Impaired rich club connectivity in unaffected siblings of schizophrenia patients. <b>2014</b> , 40, 438-48	139
1536	Diagnosis of Schizophrenia Patients Based on Brain Network Complexity Analysis of Resting-State fMRI. <b>2014</b> , 203-206	4

1535	Betweenness Centrality in Some Classes of Graphs. <b>2014</b> , 2014, 1-12		21
1534	Mapping epileptic activity: sources or networks for the clinicians?. <b>2014</b> , 5, 218		38
1533	Subject-Motion Correction in HARDI Acquisitions: Choices and Consequences. <b>2014</b> , 5, 240		12
1532	The Human Connectome: Linking Structure and Function in the Human Brain. <b>2014</b> , 401-428		
1531	Network organization unfolds over time during periods of anxious anticipation. <b>2014</b> , 34, 11261-73		100
1530	Genomic connectivity networks based on the BrainSpan atlas of the developing human brain. <b>2014</b> ,		1
1529	Brain network of semantic integration in sentence reading: insights from independent component analysis and graph theoretical analysis. <b>2014</b> , 35, 367-76		20
1528	Network-based analysis reveals stronger local diffusion-based connectivity and different correlations with oral language skills in brains of children with high functioning autism spectrum disorders. <b>2014</b> , 35, 396-413		49
1527	Test-retest reliability of fMRI-based graph theoretical properties during working memory, emotion processing, and resting state. <i>NeuroImage</i> , <b>2014</b> , 84, 888-900	7.9	168
1526	Large-scale plastic changes of the brain network in an animal model of neuropathic pain. <i>NeuroImage</i> , <b>2014</b> , 98, 203-15	7.9	17
1525	The functional oculomotor network and saccadic cognitive control in healthy elders. <i>NeuroImage</i> , <b>2014</b> , 95, 61-8	7.9	23
1524	The trees and the forest: Characterization of complex brain networks with minimum spanning trees. <b>2014</b> , 92, 129-38		210
1523	Structural connectivity differences in left and right temporal lobe epilepsy. <i>NeuroImage</i> , <b>2014</b> , 100, 135-44		136
1522	An investigation of fMRI time series stationarity during motor sequence learning foot tapping tasks. <b>2014</b> , 227, 75-82		5
1521	Functional connectivity and graph theory in preclinical Alzheimer's disease. <b>2014</b> , 35, 757-68		230
1520	Graph theoretical analysis reveals disrupted topological properties of whole brain functional networks in temporal lobe epilepsy. <b>2014</b> , 125, 1744-56		64
1519	Common cold outbreaks: A network theory approach. <b>2014</b> , 19, 3994-4002		
1518	Disrupted resting-state functional connectivity in minimally treated chronic schizophrenia. <b>2014</b> , 156, 150-6		66

1517	Irritable bowel syndrome in female patients is associated with alterations in structural brain networks. <b>2014</b> , 155, 137-149		109
1516	Dynamical intrinsic functional architecture of the brain during absence seizures. <b>2014</b> , 219, 2001-15		82
1515	Medullo-ponto-cerebellar white matter degeneration altered brain network organization and cortical morphology in multiple system atrophy. <b>2014</b> , 219, 947-58		10
1514	Cerebello-cerebral connectivity deficits in Friedreich ataxia. <b>2014</b> , 219, 969-81		33
1513	Group-constrained sparse fMRI connectivity modeling for mild cognitive impairment identification. <b>2014</b> , 219, 641-56		113
1512	Altered structural networks and executive deficits in traumatic brain injury patients. <b>2014</b> , 219, 193-209		110
1511	Global and local brain network reorganization in attention-deficit/hyperactivity disorder. <b>2014</b> , 8, 558-69		50
1510	Short-term meditation induces changes in brain resting EEG theta networks. <b>2014</b> , 87, 1-6		48
1509	Prestimulus oscillatory power and connectivity patterns predispose conscious somatosensory perception. <b>2014</b> , 111, E417-25		122
1508	Contributions and challenges for network models in cognitive neuroscience. <b>2014</b> , 17, 652-60		507
1507	Functional cortical connectivity analysis of mental fatigue unmasks hemispheric asymmetry and changes in small-world networks. <b>2014</b> , 85, 220-30		100
1506	Network diffusion accurately models the relationship between structural and functional brain connectivity networks. <i>NeuroImage</i> , <b>2014</b> , 90, 335-47	7.9	151
1505	An investigation into the functional and structural connectivity of the Default Mode Network. <i>NeuroImage</i> , <b>2014</b> , 90, 381-9	7.9	36
1504	Functional connectivity of resting state EEG and symptom severity in patients with post-traumatic stress disorder. <b>2014</b> , 51, 51-7		33
1503	Brain complex network analysis by means of resting state fMRI and graph analysis: will it be helpful in clinical epilepsy?. <b>2014</b> , 38, 71-80		38
1502	Functional brain connectivity using fMRI in aging and Alzheimer's disease. <b>2014</b> , 24, 49-62		286
1501	Multitasking versus multiplexing: Toward a normative account of limitations in the simultaneous execution of control-demanding behaviors. <b>2014</b> , 14, 129-46		54
1500	Dynamics of alpha oscillations elucidate facial affect recognition in schizophrenia. <b>2014</b> , 14, 364-77		18

1499	Repeatability analysis of global and local metrics of brain structural networks. <b>2014</b> , 4, 203-20		15
1498	Machine Learning in Healthcare Informatics. <b>2014</b> ,		26
1497	Low-dimensional dynamics of resting-state cortical activity. <b>2014</b> , 27, 338-52		40
1496	Bridging the gap between the human and macaque connectome: a quantitative comparison of global interspecies structure-function relationships and network topology. <b>2014</b> , 34, 5552-63		101
1495	Network dynamics predict improvement in working memory performance following donepezil administration in healthy young adults. <i>NeuroImage</i> , <b>2014</b> , 88, 228-41	7.9	16
1494	Functional brain networks and cognitive deficits in Parkinson's disease. <b>2014</b> , 35, 4620-34		156
1493	Functional brain network analysis using minimum spanning trees in Multiple Sclerosis: an MEG source-space study. <i>NeuroImage</i> , <b>2014</b> , 88, 308-18	7.9	100
1492	Changes in whole-brain functional networks and memory performance in aging. <b>2014</b> , 35, 2193-202		88
1491	Computational models of dentate gyrus with epilepsy-induced morphological alterations in granule cells. <b>2014</b> , 38, 63-70		12
1490	Function-structure associations of the brain: evidence from multimodal connectivity and covariance studies. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 1, 11-23	7.9	103
1489	Graph theory analysis of cortical-subcortical networks in late-life depression. <b>2014</b> , 22, 195-206		67
1488	Enhanced brain small-worldness after sleep deprivation: a compensatory effect. <b>2014</b> , 23, 554-63		24
1487	Reprint of: Mapping connectivity in the developing brain. <b>2014</b> , 32, 41-57		16
1486	Topological organization of the human brain functional connectome across the lifespan. <b>2014</b> , 7, 76-93		261
1485	Aberrant topology of striatum's connectivity is associated with the number of episodes in depression. <b>2014</b> , 137, 598-609		141
1484	Estimates of segregation and overlap of functional connectivity networks in the human cerebral cortex. <i>NeuroImage</i> , <b>2014</b> , 88, 212-27	7.9	155
1483	The structural-functional connectome and the default mode network of the human brain. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 1, 142-51	7.9	197
1482	Test-retest reliability of structural brain networks from diffusion MRI. <i>NeuroImage</i> , <b>2014</b> , 86, 231-43	7.9	102

1481 Wave Propagation Along Spiny Dendrites. **2014**, 101-136

1480 Waves in Neural Media. **2014**, 40

1479 Computational Diffusion MRI and Brain Connectivity. **2014**, 1

1478 To cut or not to cut? Assessing the modular structure of brain networks. *NeuroImage*, **2014**, 91, 99-108 7.9 8

1477 Neuroimaging of epilepsy: lesions, networks, oscillations. **2014**, 24, 5-15 12

1476 Exploring the network dynamics underlying brain activity during rest. **2014**, 114, 102-31 228

1475 Efficiency of a "small-world" brain network depends on consciousness level: a resting-state FMRI study. **2014**, 24, 1529-39 88

1474 Impaired long distance functional connectivity and weighted network architecture in Alzheimer's disease. **2014**, 24, 1422-35 142

1473 Neural network configuration and efficiency underlies individual differences in spatial orientation ability. **2014**, 26, 380-94 30

1472 Sex differences in the structural connectome of the human brain. **2014**, 111, 823-8 692

1471 A PCA-based thresholding strategy for group studies of brain connectivity - with applications to resting state fMRI. **2014**, 2

1470 Homological scaffolds of brain functional networks. **2014**, 11, 20140873 269

1469 A Blind Calibration Scheme Exploiting Mutual Calibration Relationships for a Dense Mobile Sensor Network. **2014**, 14, 1518-1526 22

1468 Discriminative analysis of brain functional connectivity patterns for mental fatigue classification. **2014**, 42, 2084-94 42

1467 Multimodal imaging in autism: an early review of comprehensive neural circuit characterization. **2014**, 16, 496 10

1466 Studying brain organization via spontaneous fMRI signal. **2014**, 84, 681-96 167

1465 Comparison of statistical tests for group differences in brain functional networks. *NeuroImage*, **2014**, 101, 681-94 7.9 34

1464 Abnormal brain anatomical topological organization of the cognitive-emotional and the frontoparietal circuitry in major depressive disorder. **2014**, 72, 1397-407 49

1463	Looking for complexity in quantitative semiology of frontal and temporal lobe seizures using neuroethology and graph theory. <b>2014</b> , 38, 81-93	10
1462	Age-related differences in advantageous decision making are associated with distinct differences in functional community structure. <b>2014</b> , 4, 193-202	18
1461	Hemispheric lateralization of topological organization in structural brain networks. <b>2014</b> , 35, 4944-57	64
1460	Hierarchical topographic factor analysis. <b>2014</b> ,	3
1459	Investigating brain community structure abnormalities in bipolar disorder using path length associated community estimation. <b>2014</b> , 35, 2253-64	49
1458	Does plasticity promote criticality?. <b>2014</b> ,	3
1457	Functional connectivity and brain activation: a synergistic approach. <b>2014</b> , 24, 2619-29	63
1456	Decreased segregation of brain systems across the healthy adult lifespan. <b>2014</b> , 111, E4997-5006	406
1455	Visual mapping using blood oxygen level dependent functional magnetic resonance imaging. <b>2014</b> , 24, 573-84	20
1454	Broadcast and Weight: An Integrated Network For Scalable Photonic Spike Processing. <b>2014</b> , 32, 4029-4041	158
1453	Frequent and discriminative subnetwork mining for mild cognitive impairment classification. <b>2014</b> , 4, 347-60	20
1452	Differences in graph theory functional connectivity in left and right temporal lobe epilepsy. <b>2014</b> , 108, 1770-81	41
1451	DynamicBC: a MATLAB toolbox for dynamic brain connectome analysis. <b>2014</b> , 4, 780-90	120
1450	The elusive concept of brain network. Comment on "Understanding brain networks and brain organization" by Luiz Pessoa. <b>2014</b> , 11, 448-51	5
1449	Age effects on the default mode and control networks in typically developing children. <b>2014</b> , 58, 89-95	59
1448	Template based rotation: a method for functional connectivity analysis with a priori templates. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 620-36	7.9 37
1447	Graph analysis of functional brain networks: practical issues in translational neuroscience. <b>2014</b> , 369,	220
1446	Analyzing topological characteristics of neuronal functional networks in the rat brain. <b>2014</b> , 378, 3118-3125	



1445	The frustrated brain: from dynamics on motifs to communities and networks. <b>2014</b> , 369,	53
1444	Structural connectivity based whole brain modelling in epilepsy. <b>2014</b> , 236, 51-7	36
1443	Generative models of rich clubs in Hebbian neuronal networks and large-scale human brain networks. <b>2014</b> , 369,	30
1442	Investigation of global and local network properties of music perception with culturally different styles of music. <b>2014</b> , 54, 37-43	3
1441	Encyclopedia of Computational Neuroscience. <b>2014</b> , 1-21	2
1440	From <i>Caenorhabditis elegans</i> to the human connectome: a specific modular organization increases metabolic, functional and developmental efficiency. <b>2014</b> , 369,	27
1439	Resting-state hippocampal connectivity correlates with symptom severity in post-traumatic stress disorder. <b>2014</b> , 5, 377-84	62
1438	Corticocortical evoked potentials reveal projectors and integrators in human brain networks. <b>2014</b> , 34, 9152-63	74
1437	Changes in MEG resting-state networks are related to cognitive decline in type 1 diabetes mellitus patients. <b>2014</b> , 5, 69-76	18
1436	Altered brain network modules induce helplessness in major depressive disorder. <b>2014</b> , 168, 21-9	44
1435	Integration of network topological and connectivity properties for neuroimaging classification. <b>2014</b> , 61, 576-89	89
1434	Fast computation of voxel-level brain connectivity maps from resting-state functional MRI using l <sub>1</sub> norm as approximation of Pearson's temporal correlation: proof-of-concept and example vector hardware implementation. <b>2014</b> , 36, 1212-7	12
1433	Connectivity and tissue microstructural alterations in right and left temporal lobe epilepsy revealed by diffusion spectrum imaging. <b>2014</b> , 5, 349-58	44
1432	Sex differences in the relationship between white matter connectivity and creativity. <i>NeuroImage</i> , <b>2014</b> , 101, 380-9	7.9 44
1431	Evoked effective connectivity of the human neocortex. <b>2014</b> , 35, 5736-53	52
1430	Changes in structural and functional connectivity among resting-state networks across the human lifespan. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 345-57	7.9 449
1429	Brain functional connectivity network breakdown and restoration in blindness. <b>2014</b> , 83, 542-51	81
1428	Structural MRI connectome in development: challenges of the changing brain. <b>2014</b> , 87, 20140086	33

1427	Fast construction of voxel-level functional connectivity graphs. <b>2014</b> , 15, 78		5
1426	Abnormal hubs of white matter networks in the frontal-parieto circuit contribute to depression discrimination via pattern classification. <b>2014</b> , 32, 1314-20		19
1425	Disrupted topological properties of brain white matter networks in left temporal lobe epilepsy: a diffusion tensor imaging study. <b>2014</b> , 279, 155-67		16
1424	Abnormal functional brain network in epilepsy patients with focal cortical dysplasia. <b>2014</b> , 108, 1618-26		24
1423	The network property of the thalamus in the default mode network is correlated with trait mindfulness. <b>2014</b> , 278, 291-301		40
1422	Noise-induced organized slow fluctuations in networks of neural areas with interarea feed-forward excitation and inhibition. <b>2014</b> , 89, 062710		
1421	On controllability of neuronal networks with constraints on the average of control gains. <b>2014</b> , 44, 2670-81		48
1420	Preserved high-centrality hubs but efficient network reorganization during eyes-open state compared with eyes-closed resting state: an MEG study. <b>2014</b> , 111, 1455-65		25
1419	Functional and effective connectivity of stopping. <i>NeuroImage</i> , <b>2014</b> , 94, 120-128	7.9	26
1418	Diaschisis: past, present, future. <b>2014</b> , 137, 2408-22		437
1417	Functional organization of intrinsic connectivity networks in Chinese-chess experts. <b>2014</b> , 1558, 33-43		25
1416	Classification of autism spectrum disorder using supervised learning of brain connectivity measures extracted from synchronostates. <b>2014</b> , 11, 046019		56
1415	Spatially constrained adaptive rewiring in cortical networks creates spatially modular small world architectures. <b>2014</b> , 8, 479-97		16
1414	Imaging functional and structural brain connectomics in attention-deficit/hyperactivity disorder. <b>2014</b> , 50, 1111-23		98
1413	Disrupted structural and functional brain connectomes in mild cognitive impairment and Alzheimer's disease. <b>2014</b> , 30, 217-32		95
1412	Functional connectivity of distant cortical regions: role of remote synchronization and symmetry in interactions. <i>NeuroImage</i> , <b>2014</b> , 97, 1-8	7.9	41
1411	Network science and the effects of music preference on functional brain connectivity: from Beethoven to Eminem. <b>2014</b> , 4, 6130		58
1410	Intra-subject reliability of the high-resolution whole-brain structural connectome. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 283-93	7.9	25

1409	Disrupted brain network topology in Parkinson's disease: a longitudinal magnetoencephalography study. <b>2014</b> , 137, 197-207		173
1408	Resilience of developing brain networks to interictal epileptiform discharges is associated with cognitive outcome. <b>2014</b> , 137, 2690-702		70
1407	Emotional speech synchronizes brains across listeners and engages large-scale dynamic brain networks. <i>NeuroImage</i> , <b>2014</b> , 102 Pt 2, 498-509	7.9	80
1406	The Alzheimer structural connectome: changes in cortical network topology with increased amyloid plaque burden. <b>2014</b> , 273, 175-84		52
1405	Altered network properties of the fronto-parietal network and the thalamus in impaired consciousness. <b>2014</b> , 4, 240-8		82
1404	Channel networks within lava flows: Formation, evolution, and implications for flow behavior. <b>2014</b> , 119, 1704-1724		39
1403	Rich-club organization of the newborn human brain. <b>2014</b> , 111, 7456-61		217
1402	Motor execution and motor imagery: a comparison of functional connectivity patterns based on graph theory. <b>2014</b> , 261, 184-94		38
1401	Small-world network properties in prefrontal cortex correlate with predictors of psychopathology risk in young children: a NIRS study. <i>NeuroImage</i> , <b>2014</b> , 85 Pt 1, 345-53	7.9	75
1400	Altered white matter connectivity and network organization in polymicrogyria revealed by individual gyral topology-based analysis. <i>NeuroImage</i> , <b>2014</b> , 86, 182-93	7.9	28
1399	Different topological organization of human brain functional networks with eyes open versus eyes closed. <i>NeuroImage</i> , <b>2014</b> , 90, 246-55	7.9	93
1398	Lag-based effective connectivity applied to fMRI: a simulation study highlighting dependence on experimental parameters and formulation. <i>NeuroImage</i> , <b>2014</b> , 89, 358-77	7.9	24
1397	Disruptions in small-world cortical functional connectivity network during an auditory oddball paradigm task in patients with schizophrenia. <b>2014</b> , 156, 197-203		47
1396	A quantitative neural network approach to understanding aging phenotypes. <b>2014</b> , 15, 44-50		13
1395	Abnormal structural networks characterize major depressive disorder: a connectome analysis. <b>2014</b> , 76, 567-74		217
1394	Diffusion tensor tractography reveals disrupted structural connectivity in childhood absence epilepsy. <b>2014</b> , 108, 125-38		65
1393	Association of brain network efficiency with aging, depression, and cognition. <b>2014</b> , 22, 102-10		29
1392	Directionality of real world networks as predicted by path length in directed and undirected graphs. <b>2014</b> , 401, 118-129		9

1391	The maturation of cortical sleep rhythms and networks over early development. <b>2014</b> , 125, 1360-70			36
1390	Non-linear EEG analyses predict non-response to rTMS treatment in major depressive disorder. <b>2014</b> , 125, 1392-9			32
1389	Understanding brain networks and brain organization. <b>2014</b> , 11, 400-35			197
1388	Constructing fMRI connectivity networks: a whole brain functional parcellation method for node definition. <b>2014</b> , 228, 86-99			11
1387	FALCON or how to compute measures time efficiently on dynamically evolving dense complex networks?. <b>2014</b> , 47, 62-70			4
1386	Exploring mechanisms of spontaneous functional connectivity in MEG: how delayed network interactions lead to structured amplitude envelopes of band-pass filtered oscillations. <i>NeuroImage</i> , <b>2014</b> , 90, 423-35	7.9		175
1385	Disrupted modular organization of resting-state cortical functional connectivity in U.S. military personnel following concussive 'mild' blast-related traumatic brain injury. <i>NeuroImage</i> , <b>2014</b> , 84, 76-96	7.9		83
1384	A modular approach to language production: models and facts. <b>2014</b> , 55, 61-76			12
1383	Directed progression brain networks in Alzheimer's disease: properties and classification. <b>2014</b> , 4, 384-93			4
1382	Oscillations, networks, and their development: MEG connectivity changes with age. <b>2014</b> , 35, 5249-61			50
1381	White matter damage disorganizes brain functional networks in amnesic mild cognitive impairment. <b>2014</b> , 4, 312-22			19
1380	Resting network is composed of more than one neural pattern: an fMRI study. <b>2014</b> , 274, 198-208			20
1379	Long-term reorganization of structural brain networks in a rabbit model of intrauterine growth restriction. <i>NeuroImage</i> , <b>2014</b> , 100, 24-38	7.9		24
1378	Change Detection and Visualization of Functional Brain Networks using EEG Data. <b>2014</b> , 29, 672-682			4
1377	Test-retest reliabilities of resting-state FMRI measurements in human brain functional connectomics: a systems neuroscience perspective. <b>2014</b> , 45, 100-18			405
1376	Non-parametric Bayesian graph models reveal community structure in resting state fMRI. <i>NeuroImage</i> , <b>2014</b> , 100, 301-15	7.9		13
1375	Network community structure detection for directional neural networks inferred from multichannel multisubject EEG data. <b>2014</b> , 61, 1919-30			20
1374	Disrupted brain connectome in semantic variant of primary progressive aphasia. <b>2014</b> , 35, 2646-2655			59

1373	Functional network organizations of two contrasting temperament groups in dimensions of novelty seeking and harm avoidance. <b>2014</b> , 1575, 33-44		22
1372	Working memory performance of early MS patients correlates inversely with modularity increases in resting state functional connectivity networks. <i>NeuroImage</i> , <b>2014</b> , 94, 385-395	7.9	82
1371	Fine-grained mapping of mouse brain functional connectivity with resting-state fMRI. <i>NeuroImage</i> , <b>2014</b> , 96, 203-15	7.9	54
1370	Network analysis of auditory hallucinations in nonpsychotic individuals. <b>2014</b> , 35, 1436-45		51
1369	Human brain networks in physiological aging: a graph theoretical analysis of cortical connectivity from EEG data. <b>2014</b> , 41, 1239-49		68
1368	Human brain networks in cognitive decline: a graph theoretical analysis of cortical connectivity from EEG data. <b>2014</b> , 41, 113-27		105
1367	A computational study of whole-brain connectivity in resting state and task fMRI. <b>2014</b> , 20, 1024-42		13
1366	Disturbed connectivity of EEG functional networks in alcoholism: a graph-theoretic analysis. <b>2014</b> , 24, 2927-36		19
1365	An open science resource for establishing reliability and reproducibility in functional connectomics. <b>2014</b> , 1, 140049		247
1364	Widespread alterations in functional brain network architecture in amnesic mild cognitive impairment. <b>2014</b> , 40, 213-20		25
1363	Decreased limbic and increased fronto-parietal connectivity in unmedicated patients with obsessive-compulsive disorder. <b>2014</b> , 35, 5617-32		80
1362	Impaired development of intrinsic connectivity networks in children with medically intractable localization-related epilepsy. <b>2014</b> , 35, 5686-700		45
1361	Isoflurane induces dose-dependent alterations in the cortical connectivity profiles and dynamic properties of the brain's functional architecture. <b>2014</b> , 35, 5754-75		92
1360	Clustering analysis of default mode network in fMRI data. <b>2014</b> ,		
1359	On emotion-cognition integration: The effect of happy and sad moods on language comprehension. <b>2015</b> , 38, e73		1
1358	Integration of cognition and emotion in physical and mental actions in musical and other behaviors. <b>2015</b> , 38, e76		9
1357	How arousal influences neural competition: What dual competition does not explain. <b>2015</b> , 38, e77		1
1356	The cognitive-emotional brain is an embodied and social brain. <b>2015</b> , 38, e78		2

1355	Behavioral evidence for a continuous approach to the perception of emotionally valenced stimuli. <b>2015, 38, e79</b>	1
1354	United we stand, divided we fall: Cognition, emotion, and the moral link between them. <b>2015, 38, e80</b>	2
1353	Surprise as an ideal case for the interplay of cognition and emotion. <b>2015, 38, e74</b>	2
1352	Models for cognition and emotion: Evolutionary and linguistic considerations. <b>2015, 38, e81</b>	
1351	On theory integration: Toward developing affective components within cognitive architectures. <b>2015, 38, e82</b>	
1350	Neuropsychology still needs to model organismic processes "from within". <b>2015, 38, e83</b>	8
1349	When emotion and cognition do (not) work together: Delusions as emotional and executive dysfunctions. <b>2015, 38, e84</b>	1
1348	Active inference and cognitive-emotional interactions in the brain. <b>2015, 38, e85</b>	15
1347	The cognitive-emotional brain: Opportunities [corrected] and challenges for understanding neuropsychiatric disorders. <b>2015, 38, e86</b>	11
1346	Strengthening emotion-cognition integration. <b>2015, 38, e87</b>	2
1345	Social theory and the cognitive-emotional brain. <b>2015, 38, e88</b>	0
1344	Precision about the automatic emotional brain. <b>2015, 38, e89</b>	1
1343	Preferences and motivations with and without inferences. <b>2015, 38, e90</b>	1
1342	The cognitive-emotional amalgam. <b>2015, 38, e91</b>	18
1341	Distance closures on complex networks. <b>2015, 3, 227-268</b>	23
1340	Finding the Interdependence Among Various Crude Oil Prices: A Grey Relation Network Analysis. <b>2015, 75, 2563-2568</b>	2
1339	Cognition as the tip of the emotional iceberg: A neuro-evolutionary perspective. <b>2015, 38, e72</b>	1
1338	Enactive neuroscience, the direct perception hypothesis, and the socially extended mind. <b>2015, 38, e75</b>	8

1337	Whole-brain functional hypoconnectivity as an endophenotype of autism in adolescents. <b>2015</b> , 9, 140-52	55
1336	P.4.d.003 Treatment-related functional orbitofrontal network alterations in veterans with posttraumatic stress disorder. <b>2015</b> , 25, S568	
1335	P.4.d.001 A schedule for tapering out clonazepam in panic disorder patients after long-term treatment. <b>2015</b> , 25, S567-S568	
1334	Default mode network segregation and social deficits in autism spectrum disorder: Evidence from non-medicated children. <b>2015</b> , 9, 223-32	90
1333	Network construction and structure detection with metagenomic count data. <b>2015</b> , 8, 40	4
1332	Whole-brain structural topology in adult attention-deficit/hyperactivity disorder: Preserved global - disturbed local network organization. <b>2015</b> , 9, 506-12	20
1331	Comparing Community Detection Algorithms on Neuroimaging Data from Multiple Subjects. <b>2015</b> ,	1
1330	Nicotine and the adolescent brain. <b>2015</b> , 593, 3397-412	228
1329	Assessing small-worldness of dynamic functional brain connectivity during complex tasks. <b>2015</b> , 2015, 2904-7	3
1328	. <b>2015</b> ,	4
1327	Training-induced changes in information transfer efficiency of the brain network: A functional connectome approach. <b>2015</b> ,	5
1326	A graph based characterization of functional resting state networks for patients with disorders of consciousness. <b>2015</b> ,	1
1325	The relationships between the identified critical nodes within DTI-based brain structural network using hub measurements and vulnerability measurement. <b>2015</b> , 2015, 422-5	1
1324	On how to efficiently accelerate brain network analysis on FPGA-based computing system. <b>2015</b> ,	1
1323	Approaches and developments in studying the human microbiome network. <b>2015</b> , 61, 90-94	1
1322	Abnormal cortical thickness connectivity persists in childhood absence epilepsy. <b>2015</b> , 2, 456-64	14
1321	Resting-state functional brain networks in Parkinson's disease. <b>2015</b> , 21, 793-801	35
1320	Dissociated multimodal hubs and seizures in temporal lobe epilepsy. <b>2015</b> , 2, 338-52	19

1319	On Human Brain Networks in Health and Disease. <b>2015</b> , 1-9	32
1318	Modularity and the spread of perturbations in complex dynamical systems. <b>2015</b> , 92, 060801	5
1317	A connectivity-based test-retest dataset of multi-modal magnetic resonance imaging in young healthy adults. <b>2015</b> , 2, 150056	30
1316	Scopolamine effects on functional brain connectivity: a pharmacological model of Alzheimer's disease. <b>2015</b> , 5, 9748	56
1315	Role of local and distant functional connectivity density in the development of minimal hepatic encephalopathy. <b>2015</b> , 5, 13720	14
1314	Efficient immunization strategies to prevent financial contagion. <b>2014</b> , 4, 3834	12
1313	Graph theoretic network analysis reveals protein pathways underlying cell death following neurotropic viral infection. <b>2015</b> , 5, 14438	8
1312	The global landscape of cognition: hierarchical aggregation as an organizational principle of human cortical networks and functions. <b>2015</b> , 5, 18112	43
1311	Magnetite-Amyloid- $\beta$ deteriorates activity and functional organization in an in vitro model for Alzheimer's disease. <b>2015</b> , 5, 17261	38
1310	Impaired integration in psychopathy: A unified theory of psychopathic dysfunction. <b>2015</b> , 122, 770-91	60
1309	Identification of redundant and synergetic circuits in triplets of electrophysiological data. <b>2015</b> , 12, 066007	11
1308	Progressive glucose stimulation of islet beta cells reveals a transition from segregated to integrated modular functional connectivity patterns. <b>2015</b> , 5, 7845	45
1307	Fractal multi-level organisation of human groups in a virtual world. <b>2014</b> , 4, 6526	25
1306	Effects of amyloid and small vessel disease on white matter network disruption. <b>2015</b> , 44, 963-75	25
1305	The Minimal k-Core Problem for Modeling k-Assemblies. <b>2015</b> , 5, 27	3
1304	A novel characterization of amalgamated networks in natural systems. <b>2015</b> , 5, 10611	2
1303	Relationships between the resting-state network and the P3: Evidence from a scalp EEG study. <b>2015</b> , 5, 15129	56
1302	Functional resting state networks characterization through global network measurements for patients with disorders of consciousness. <b>2015</b> ,	1



1301	The intrinsic geometry of the human brain connectome. <b>2015</b> , 2, 197-210	19
1300	Regional vulnerability of longitudinal cortical association connectivity: Associated with structural network topology alterations in preterm children with cerebral palsy. <b>2015</b> , 9, 322-37	25
1299	Mapping dynamic social networks in real life using participants' own smartphones. <b>2015</b> , 1, e00037	15
1298	Connectomics to Semantomics: Addressing the Brain's Big Data Challenge1. <b>2015</b> , 53, 48-55	13
1297	Intrinsic Brain Activity and Resting State Networks. <b>2015</b> , 1-52	0
1296	Alterations in Anatomical Covariance in the Prematurely Born. <b>2017</b> , 27, 534-543	31
1295	A new image segmentation approach using community detection algorithms. <b>2015</b> ,	5
1294	Metric structures on networks and applications. <b>2015</b> ,	5
1293	Task-related modulation of functional connectivity variability and its behavioral correlations. <b>2015</b> , 36, 3260-72	71
1292	Decreased activity with increased background network efficiency in amnesic MCI during a visuospatial working memory task. <b>2015</b> , 36, 3387-403	14
1291	Resting state functional MRI reveals abnormal network connectivity in neurofibromatosis 1. <b>2015</b> , 36, 4566-81	21
1290	Test-retest reliability of graph metrics in high-resolution functional connectomics: a resting-state functional MRI study. <b>2015</b> , 21, 802-16	26
1289	Resting-state functional connectivity and nicotine addiction: prospects for biomarker development. <b>2015</b> , 1349, 64-82	84
1288	A Tucker decomposition based approach for topographic functional connectivity state summarization. <b>2015</b> ,	
1287	Kuramoto model simulation of neural hubs and dynamic synchrony in the human cerebral connectome. <b>2015</b> , 16, 54	45
1286	Characterizing functional connectivity patterns during saliva swallows in different head positions. <b>2015</b> , 12, 61	7
1285	Microstate connectivity alterations in patients with early Alzheimer's disease. <b>2015</b> , 7, 78	21
1284	Abnormal wiring of the connectome in adults with high-functioning autism spectrum disorder. <b>2015</b> , 6, 65	29

1283	Rich club analysis in the Alzheimer's disease connectome reveals a relatively undisturbed structural core network. <b>2015</b> , 36, 3087-103	88
1282	Effects of APOE promoter polymorphism on the topological organization of brain structural connectome in nondemented elderly. <b>2015</b> , 36, 4847-58	17
1281	User-centric approach of detecting temporary community. <b>2015</b> ,	4
1280	Altered brain functional networks in heavy smokers. <b>2015</b> , 20, 809-19	42
1279	The brain connectivity basis of semantic dementia: a selective review. <b>2015</b> , 21, 784-92	8
1278	Reduced structural connectivity within a prefrontal-motor-subcortical network in amyotrophic lateral sclerosis. <b>2015</b> , 41, 1342-52	26
1277	Structural connectivity abnormality in children with acute mild traumatic brain injury using graph theoretical analysis. <b>2015</b> , 36, 779-92	49
1276	Development of the brain's structural network efficiency in early adolescence: A longitudinal DTI twin study. <b>2015</b> , 36, 4938-53	42
1275	Evidence that neurovascular coupling underlying the BOLD effect increases with age during childhood. <b>2015</b> , 36, 1-15	25
1274	Persistency and flexibility of complex brain networks underlie dual-task interference. <b>2015</b> , 36, 3542-62	28
1273	A parsimonious statistical method to detect groupwise differentially expressed functional connectivity networks. <b>2015</b> , 36, 5196-206	23
1272	Role of the right dorsal anterior insula in the urge to tic in Tourette syndrome. <b>2015</b> , 30, 1190-7	77
1271	Apolipoprotein-E4 (ApoE4) carriers show altered small-world properties in the default mode network of the brain. <b>2015</b> , 1, 015001	10
1270	Effective connectivity during episodic memory retrieval in schizophrenia participants before and after antipsychotic medication. <b>2015</b> , 36, 1442-57	56
1269	Disruption of cortical connectivity during remifentanyl administration is associated with cognitive impairment but not with analgesia. <b>2015</b> , 122, 140-9	13
1268	Big brain, small world?. <b>2015</b> , 122, 8-11	2
1267	The anarchic brain in action: the contribution of task-based fMRI studies to the understanding of Gilles de la Tourette syndrome. <b>2015</b> , 28, 604-11	41
1266	Network structure detection and analysis of Shanghai stock market. <b>2015</b> , 8,	2

1265	EEG Synchronization and Brain Networks. <b>2015</b> , 4, 1-11	1
1264	Electroencephalography signatures of attention-deficit/hyperactivity disorder: clinical utility. <b>2015</b> , 11, 2755-69	10
1263	The NOLB model: a model of the natural organization of language and the brain. 101-134	12
1262	Connectomics in psychiatric research: advances and applications. <b>2015</b> , 11, 2801-10	21
1261	Investigating Driver Fatigue versus Alertness Using the Granger Causality Network. <b>2015</b> , 15, 19181-98	62
1260	Global integration of the hot-state brain network of appetite predicts short term weight loss in older adult. <b>2015</b> , 7, 70	13
1259	Non-monotonic reorganization of brain networks with Alzheimer's disease progression. <b>2015</b> , 7, 111	19
1258	Unraveling the multiscale structural organization and connectivity of the human brain: the role of diffusion MRI. <b>2015</b> , 9, 77	22
1257	Construction and application of human neonatal DTI atlases. <b>2015</b> , 9, 138	11
1256	The Structural Connectivity Pattern of the Default Mode Network and Its Association with Memory and Anxiety. <b>2015</b> , 9, 152	22
1255	Evidence from a rare case study for Hebbian-like changes in structural connectivity induced by long-term deep brain stimulation. <b>2015</b> , 9, 167	14
1254	Functional connectivity in in vitro neuronal assemblies. <b>2015</b> , 9, 57	41
1253	Genetic algorithm supported by graphical processing unit improves the exploration of effective connectivity in functional brain imaging. <b>2015</b> , 9, 50	
1252	Exploratory graphical models of functional and structural connectivity patterns for Alzheimer's Disease diagnosis. <b>2015</b> , 9, 132	35
1251	The Compression Flow as a Measure to Estimate the Brain Connectivity Changes in Resting State fMRI and 18FDG-PET Alzheimer's Disease Connectomes. <b>2015</b> , 9, 148	8
1250	Lateralization of Temporal Lobe Epilepsy Based on Resting-State Functional Magnetic Resonance Imaging and Machine Learning. <b>2015</b> , 6, 184	30
1249	The Virtual Brain: Modeling Biological Correlates of Recovery after Chronic Stroke. <b>2015</b> , 6, 228	40
1248	A Systematic Review and Meta-Analysis of the Functional MRI Investigation of Motor Neuron Disease. <b>2015</b> , 6, 246	7

1247	Approaching a network connectivity-driven classification of the psychosis continuum: a selective review and suggestions for future research. <b>2014</b> , 8, 1047	44
1246	The intrahemispheric functional properties of the developing sensorimotor cortex are influenced by maturation. <b>2015</b> , 9, 39	14
1245	Test-retest reliability of white matter structural brain networks: a multiband diffusion MRI study. <b>2015</b> , 9, 59	17
1244	Analyzing the association between functional connectivity of the brain and intellectual performance. <b>2015</b> , 9, 61	46
1243	Evaluating the effect of aging on interference resolution with time-varying complex networks analysis. <b>2015</b> , 9, 255	12
1242	GRETNA: a graph theoretical network analysis toolbox for imaging connectomics. <b>2015</b> , 9, 386	468
1241	Genetic network properties of the human cortex based on regional thickness and surface area measures. <b>2015</b> , 9, 440	12
1240	Time-dependent degree-degree correlations in epileptic brain networks: from assortative to disassortative mixing. <b>2015</b> , 9, 462	23
1239	Spontaneous functional network dynamics and associated structural substrates in the human brain. <b>2015</b> , 9, 478	44
1238	Network dynamics with BrainX(3): a large-scale simulation of the human brain network with real-time interaction. <b>2015</b> , 9, 02	39
1237	Evaluating the reliability of different preprocessing steps to estimate graph theoretical measures in resting state fMRI data. <b>2015</b> , 9, 48	39
1236	Multidimensional frequency domain analysis of full-volume fMRI reveals significant effects of age, gender, and mental illness on the spatiotemporal organization of resting-state brain activity. <b>2015</b> , 9, 203	7
1235	Boosting brain connectome classification accuracy in Alzheimer's disease using higher-order singular value decomposition. <b>2015</b> , 9, 257	18
1234	Influence of ROI selection on resting state functional connectivity: an individualized approach for resting state fMRI analysis. <b>2015</b> , 9, 280	41
1233	An empirical Bayes normalization method for connectivity metrics in resting state fMRI. <b>2015</b> , 9, 316	13
1232	Identification of functional networks in resting state fMRI data using adaptive sparse representation and affinity propagation clustering. <b>2015</b> , 9, 383	18
1231	Brain enhancement through cognitive training: a new insight from brain connectome. <b>2015</b> , 9, 44	54
1230	BASCO: a toolbox for task-related functional connectivity. <b>2015</b> , 9, 126	24

1229	Topological Alterations of the Intrinsic Brain Network in Patients with Functional Dyspepsia. <b>2016</b> , 22, 118-28	7
1228	Probing the topological properties of complex networks modeling short written texts. <b>2015</b> , 10, e0118394	45
1227	Progressive gender differences of structural brain networks in healthy adults: a longitudinal, diffusion tensor imaging study. <b>2015</b> , 10, e0118857	75
1226	Anomalous gray matter structural networks in patients with hepatitis B virus-related cirrhosis without overt hepatic encephalopathy. <b>2015</b> , 10, e0119339	5
1225	Theta, mental flexibility, and post-traumatic stress disorder: connecting in the parietal cortex. <b>2015</b> , 10, e0123541	30
1224	Changes in brain network efficiency and working memory performance in aging. <b>2015</b> , 10, e0123950	50
1223	Frequency dependent topological patterns of resting-state brain networks. <b>2015</b> , 10, e0124681	27
1222	Using Graph Components Derived from an Associative Concept Dictionary to Predict fMRI Neural Activation Patterns that Represent the Meaning of Nouns. <b>2015</b> , 10, e0125725	4
1221	Dynamically Allocated Hub in Task-Evoked Network Predicts the Vulnerable Prefrontal Locus for Contextual Memory Retrieval in Macaques. <b>2015</b> , 13, e1002177	15
1220	The Functional Connectome of Speech Control. <b>2015</b> , 13, e1002209	66
1219	Decoding the Traumatic Memory among Women with PTSD: Implications for Neurocircuitry Models of PTSD and Real-Time fMRI Neurofeedback. <b>2015</b> , 10, e0134717	8
1218	Integrated Analysis and Visualization of Group Differences in Structural and Functional Brain Connectivity: Applications in Typical Ageing and Schizophrenia. <b>2015</b> , 10, e0137484	3
1217	EEGNET: An Open Source Tool for Analyzing and Visualizing M/EEG Connectome. <b>2015</b> , 10, e0138297	38
1216	Brain Structure Network Analysis in Patients with Obstructive Sleep Apnea. <b>2015</b> , 10, e0139055	12
1215	Functional Brain Dysfunction in Patients with Benign Childhood Epilepsy as Revealed by Graph Theory. <b>2015</b> , 10, e0139228	24
1214	Analysis of Time-Dependent Brain Network on Active and MI Tasks for Chronic Stroke Patients. <b>2015</b> , 10, e0139441	2
1213	Disrupted Ipsilateral Network Connectivity in Temporal Lobe Epilepsy. <b>2015</b> , 10, e0140859	9
1212	Developmental Reorganization of the Cognitive Network in Pediatric Epilepsy. <b>2015</b> , 10, e0141186	18

1211	Unifying Inference of Meso-Scale Structures in Networks. <b>2015</b> , 10, e0143133	12
1210	Changes of Functional Brain Networks in Major Depressive Disorder: A Graph Theoretical Analysis of Resting-State fMRI. <b>2015</b> , 10, e0133775	80
1209	The power of using functional fMRI on small rodents to study brain pharmacology and disease. <b>2015</b> , 6, 231	75
1208	Juvenile zebra finches learn the underlying structural regularities of their fathers' song. <b>2015</b> , 6, 571	21
1207	Reorganization of brain networks in aging: a review of functional connectivity studies. <b>2015</b> , 6, 663	257
1206	Brain connectivity and prediction of relapse after cognitive-behavioral therapy in obsessive-compulsive disorder. <b>2015</b> , 6, 74	32
1205	Analysis on Topological Properties of Dalian Hazardous Materials Road Transportation Network. <b>2015</b> , 2015, 1-11	1
1204	Exploring Dynamic Brain Functional Networks Using Continuous "State-Related" Functional MRI. <b>2015</b> , 2015, 824710	9
1203	FC-NIRS: A Functional Connectivity Analysis Tool for Near-Infrared Spectroscopy Data. <b>2015</b> , 2015, 248724	35
1202	Global terrestrial water storage connectivity revealed using complex climate network analyses. <b>2015</b> , 22, 433-446	7
1201	Variation of the default mode network with altered alertness levels induced by propofol. <b>2015</b> , 11, 2573-81	11
1200	. <b>2015</b> ,	9
1199	Presurgery resting-state local graph-theory measures predict neurocognitive outcomes after brain surgery in temporal lobe epilepsy. <b>2015</b> , 56, 517-26	50
1198	A Bayesian model of category-specific emotional brain responses. <b>2015</b> , 11, e1004066	136
1197	Global Enterprise Management. <b>2015</b> ,	
1196	Overcoming the effects of false positives and threshold bias in graph theoretical analyses of neuroimaging data. <i>NeuroImage</i> , <b>2015</b> , 118, 313-33	7.9 85
1195	Finding the self by losing the self: Neural correlates of ego-dissolution under psilocybin. <b>2015</b> , 36, 3137-53	122
1194	Local-to-remote cortical connectivity in early- and adulthood-onset schizophrenia. <b>2015</b> , 5, e566	37

1193	Effects of lesions on synchrony and metastability in cortical networks. <i>NeuroImage</i> , <b>2015</b> , 118, 456-67	7.9	70
1192	Brain-computer interface boosts motor imagery practice during stroke recovery. <b>2015</b> , 77, 851-65		306
1191	Complex Networks VI. <b>2015</b> ,		
1190	Distributed Computing and Artificial Intelligence, 12th International Conference. <b>2015</b> ,		1
1189	Ketamine induces a robust whole-brain connectivity pattern that can be differentially modulated by drugs of different mechanism and clinical profile. <b>2015</b> , 232, 4205-18		51
1188	Pathologies in functional connectivity, feedback control and robustness: a global workspace perspective on autism spectrum disorders. <b>2015</b> , 16, 1-16		11
1187	Connectivity in context: emphasizing neurodevelopment in autism spectrum disorder. <b>2015</b> , 77, 772-4		3
1186	Transport for language south of the Sylvian fissure: The routes and history of the main tracts and stations in the ventral language network. <b>2015</b> , 69, 141-51		57
1185	Global features of functional brain networks change with contextual disorder. <i>NeuroImage</i> , <b>2015</b> , 117, 103-13	7.9	19
1184	Parental networks: uncovering new functions in biological data. <b>2014</b> , 4, 5112		15
1183	Structural 'connectomic' alterations in the limbic system of multiple sclerosis patients with major depression. <b>2015</b> , 21, 1003-12		39
1182	Graph theory reveals hyper-functionality in visual cortices of Seasonal Affective Disorder patients. <b>2015</b> , 16, 123-34		22
1181	Dissociable effects of local inhibitory and excitatory theta-burst stimulation on large-scale brain dynamics. <b>2015</b> , 113, 3375-85		46
1180	Fronto-parietal and cingulo-opercular network integrity and cognition in health and schizophrenia. <b>2015</b> , 73, 82-93		109
1179	Emergence of rich-club topology and coordinated dynamics in development of hippocampal functional networks in vitro. <b>2015</b> , 35, 5459-70		82
1178	Frequency dependant topological alterations of intrinsic functional connectome in major depressive disorder. <b>2015</b> , 5, 9710		25
1177	Increased segregation of brain networks in focal epilepsy: An fMRI graph theory finding. <b>2015</b> , 8, 536-42		62
1176	The (in)stability of functional brain network measures across thresholds. <i>NeuroImage</i> , <b>2015</b> , 118, 651-617.9		140

1175	Support vector machine classification of major depressive disorder using diffusion-weighted neuroimaging and graph theory. <b>2015</b> , 6, 21	66
1174	P.4.d.004 The influence of baseline severity on antidepressant efficacy for anxiety disorders: a meta-analysis and meta-regression. <b>2015</b> , 25, S568-S569	
1173	Instantaneous transfer entropy for the study of cardio-respiratory dynamics. <b>2015</b> , 2015, 7885-8	4
1172	Statistical methods for comparing brain connectomes at different scales. <b>2015</b> ,	
1171	Research on regional collaborative innovation evolution from complex network perspective. <b>2015</b> ,	
1170	Affective state characterization based on electroencephalography graph-theoretic features. <b>2015</b> ,	5
1169	Dynamic reconfiguration of the language network preceding onset of speech in picture naming. <b>2015</b> , 36, 1202-16	26
1168	Prestimulus Network Integration of Auditory Cortex Predisposes Near-Threshold Perception Independently of Local Excitability. <b>2015</b> , 25, 4898-907	33
1167	Dynamic default mode network connectivity diminished in patients with schizophrenia. <b>2015</b> ,	2
1166	Functional connectivity during autonomic stimulation estimated using spectral coherence of fMRI signals. <b>2015</b> ,	
1165	Clinical effect of white matter network disruption related to amyloid and small vessel disease. <b>2015</b> , 85, 63-70	58
1164	A review of heterogeneous data mining for brain disorder identification. <b>2015</b> , 2, 253-264	13
1163	Functional connectivity from EEG signals during perceiving pleasant and unpleasant odors. <b>2015</b> ,	3
1162	Epileptogenic Networks: Applying Network Analysis Techniques to Human Seizure Activity. <b>2015</b> , 293-312	0
1161	A hierarchical Bayesian model for flexible module discovery in three-way time-series data. <b>2015</b> , 31, i17-26	8
1160	The Neonatal Connectome During Preterm Brain Development. <b>2015</b> , 25, 3000-13	235
1159	Exploration of Virtual and Augmented Reality for Visual Analytics and 3D Volume Rendering of Functional Magnetic Resonance Imaging (fMRI) Data. <b>2015</b> ,	4
1158	Arterial CO <sub>2</sub> effects modulate dynamic functional connectivity in resting-state fMRI. <b>2015</b> , 2015, 1809-12	4



1157	Nonparametric directionality measures for time series and point process data. <b>2015</b> , 14, 253-77	17
1156	Detecting labor using graph theory on connectivity matrices of uterine EMG. <b>2015</b> , 2015, 2195-8	3
1155	Decomposing multilayer transportation networks using complex network analysis: a case study for the Greek aviation network. <b>2015</b> , 3, 642-670	27
1154	Graph theory in brain-to-brain connectivity: A simulation study and an application to an EEG hyperscanning experiment. <b>2015</b> , 2015, 2211-4	10
1153	Investigating the neural basis of empathy by EEG hyperscanning during a Third Party Punishment. <b>2015</b> , 2015, 5384-7	5
1152	Comparisons of topological properties in autism for the brain network construction methods. <b>2015</b> ,	
1151	Isolated Focal Dystonia as a Disorder of Large-Scale Functional Networks. <b>2017</b> , 27, 1203-1215	57
1150	A visualization pipeline for large-scale tractography data. <b>2015</b> ,	1
1149	Divergent brain functional network alterations in dementia with Lewy bodies and Alzheimer's disease. <b>2015</b> , 36, 2458-67	46
1148	Analyzing epileptogenic brain connectivity networks using clinical EEG data. <b>2015</b> ,	3
1147	Brain network properties in depressed patients receiving seizure therapy: A graph theoretical analysis of peri-treatment resting EEG. <b>2015</b> , 2015, 2203-6	8
1146	Assortativity changes in Alzheimer's disease: A resting-state fMRI study. <b>2015</b> ,	3
1145	Individual diversity of functional brain network economy. <b>2015</b> , 5, 156-65	14
1144	Locating controlling regions of neural networks using constrained evolutionary computation. <b>2015</b> ,	
1143	Comparison of network analysis approaches on EEG connectivity in beta during Visual Short-term Memory binding tasks. <b>2015</b> , 2015, 2207-10	4
1142	Blockmodels for connectome analysis. <b>2015</b> ,	9
1141	Cluster-span threshold: An unbiased threshold for binarising weighted complete networks in functional connectivity analysis. <b>2015</b> , 2015, 2840-3	9
1140	. <b>2015</b> ,	1

1139	Classification of pregnancy and labor contractions using a graph theory based analysis. <b>2015</b> , 2015, 2876-9		7
1138	Pregnancy monitoring using graph theory based analysis. <b>2015</b> ,		4
1137	Disrupted functional and structural networks in cognitively normal elderly subjects with the APOE e4 allele. <b>2015</b> , 40, 1181-91		48
1136	Module number of default mode network: inter-subject variability and effects of sleep deprivation. <b>2015</b> , 1596, 69-78		18
1135	Functional brain networks: linking thalamic atrophy to clinical disability in multiple sclerosis, a multimodal fMRI and MEG study. <b>2015</b> , 36, 603-18		67
1134	Disparate connectivity for structural and functional networks is revealed when physical location of the connected nodes is considered. <b>2015</b> , 28, 187-96		5
1133	Signature of consciousness in the dynamics of resting-state brain activity. <b>2015</b> , 112, 887-92		378
1132	Dynamic functional connectivity using state-based dynamic community structure: method and application to opioid analgesia. <i>NeuroImage</i> , <b>2015</b> , 108, 274-91	7.9	38
1131	Pre-stimulus functional networks modulate task performance in time-pressured evidence gathering and decision-making. <i>NeuroImage</i> , <b>2015</b> , 111, 513-25	7.9	4
1130	Improved statistical evaluation of group differences in connectomes by screening-filtering strategy with application to study maturation of brain connections between childhood and adolescence. <i>NeuroImage</i> , <b>2015</b> , 108, 251-64	7.9	18
1129	Characterizing heterogeneity in children with and without ADHD based on reward system connectivity. <b>2015</b> , 11, 155-74		87
1128	37. Importance of weak connections in functional network analysis of left TLE. <b>2015</b> , 126, e43		1
1127	Thickness network features for prognostic applications in dementia. <b>2015</b> , 36 Suppl 1, S91-S102		32
1126	Automated quantification of neuronal networks and single-cell calcium dynamics using calcium imaging. <b>2015</b> , 243, 26-38		90
1125	Multimodal analysis of functional and structural disconnection in Alzheimer's disease using multiple kernel SVM. <b>2015</b> , 36, 2118-31		115
1124	Mathematically gifted adolescents mobilize enhanced workspace configuration of theta cortical network during deductive reasoning. <b>2015</b> , 289, 334-48		11
1123	Relationship of white matter network topology and cognitive outcome in adolescents with d-transposition of the great arteries. <b>2015</b> , 7, 438-48		44
1122	Large-scale probabilistic functional modes from resting state fMRI. <i>NeuroImage</i> , <b>2015</b> , 109, 217-31	7.9	67

1121	Hyperconnectivity in juvenile myoclonic epilepsy: a network analysis. <b>2015</b> , 7, 98-104		34
1120	Informed constrained spherical deconvolution (iCSD). <b>2015</b> , 24, 269-281		27
1119	The potential of infant fMRI research and the study of early life stress as a promising exemplar. <b>2015</b> , 12, 12-39		81
1118	Predicting functional connectivity from structural connectivity via computational models using MRI: an extensive comparison study. <i>NeuroImage</i> , <b>2015</b> , 111, 65-75	7.9	60
1117	Functional connectivity changes during a working memory task in rat via NMF analysis. <b>2015</b> , 9, 2		12
1116	36. Influence of data processing pipelines on EEG-fMRI results in patients with epilepsy. <b>2015</b> , 126, e42-e43		1
1115	Knowledge-Based Information Systems in Practice. <b>2015</b> ,		1
1114	Apolipoprotein E $\epsilon$ modulates functional brain connectome in Alzheimer's disease. <b>2015</b> , 36, 1828-46		58
1113	Understanding structural-functional relationships in the human brain: a large-scale network perspective. <b>2015</b> , 21, 290-305		113
1112	Graph theoretic analysis of structural connectivity across the spectrum of Alzheimer's disease: The importance of graph creation methods. <b>2015</b> , 7, 377-90		51
1111	EEG functional connectivity is partially predicted by underlying white matter connectivity. <i>NeuroImage</i> , <b>2015</b> , 108, 23-33	7.9	59
1110	Power spectral density and coherence analysis of Alzheimer's EEG. <b>2015</b> , 9, 291-304		67
1109	Aging alterations in whole-brain networks during adulthood mapped with the minimum spanning tree indices: the interplay of density, connectivity cost and life-time trajectory. <i>NeuroImage</i> , <b>2015</b> , 109, 171-89	7.9	44
1108	Characterizing the connectome in schizophrenia with diffusion spectrum imaging. <b>2015</b> , 36, 354-66		55
1107	What it means to be Zen: marked modulations of local and interareal synchronization during open monitoring meditation. <i>NeuroImage</i> , <b>2015</b> , 108, 265-73	7.9	32
1106	A Connectome Computation System for discovery science of brain. <b>2015</b> , 60, 86-95		82
1105	fMRI functional connectivity applied to adolescent neurodevelopment. <b>2015</b> , 11, 361-77		71
1104	Is functional integration of resting state brain networks an unspecific biomarker for working memory performance?. <i>NeuroImage</i> , <b>2015</b> , 108, 182-93	7.9	40

1103	Brain Graph Topology Changes Associated with Anti-Epileptic Drug Use. <b>2015</b> , 5, 284-91		43
1102	Edge density imaging: mapping the anatomic embedding of the structural connectome within the white matter of the human brain. <i>NeuroImage</i> , <b>2015</b> , 109, 402-17	7.9	25
1101	Advances in Cognitive Neurodynamics (IV). <b>2015</b> ,		1
1100	Complex brain network properties in late L2 learners and native speakers. <b>2015</b> , 68, 209-17		4
1099	Construct validation of a DCM for resting state fMRI. <i>NeuroImage</i> , <b>2015</b> , 106, 1-14	7.9	148
1098	Sparse network-based models for patient classification using fMRI. <i>NeuroImage</i> , <b>2015</b> , 105, 493-506	7.9	111
1097	Mapping the landscape of cognitive development in children with epilepsy. <b>2015</b> , 66, 1-8		30
1096	Depressive Rumination, the Default-Mode Network, and the Dark Matter of Clinical Neuroscience. <b>2015</b> , 78, 224-30		430
1095	Anomalous consistency in Mild Cognitive Impairment: A complex networks approach. <b>2015</b> , 70, 144-155		4
1094	Disrupted Brain Functional Organization in Epilepsy Revealed by Graph Theory Analysis. <b>2015</b> , 5, 276-83		25
1093	Novel fingerprinting method characterises the necessary and sufficient structural connectivity from deep brain stimulation electrodes for a successful outcome. <b>2015</b> , 17, 015001		20
1092	Multimodal brain imaging in autism spectrum disorder and the promise of twin research. <b>2015</b> , 19, 527-41		17
1091	Nonlinear network dynamics under perturbations of the underlying graph. <b>2015</b> , 25, 013116		4
1090	Analysis of dynamic road risk for pedestrian evacuation. <b>2015</b> , 430, 171-183		13
1089	Convergence and divergence across construction methods for human brain white matter networks: an assessment based on individual differences. <b>2015</b> , 36, 1995-2013		37
1088	Impairment of functional integration of the default mode network correlates with cognitive outcome at three months after stroke. <b>2015</b> , 36, 577-90		50
1087	Age-related differences in electroencephalogram connectivity and network topology. <b>2015</b> , 36, 1849-59		45
1086	Functional connectivity dynamics: modeling the switching behavior of the resting state. <i>NeuroImage</i> , <b>2015</b> , 105, 525-35	7.9	308

1085	The graph theoretical analysis of the SSVEP harmonic response networks. <b>2015</b> , 9, 305-15		23
1084	The effect of education on regional brain metabolism and its functional connectivity in an aged population utilizing positron emission tomography. <b>2015</b> , 94, 50-61		17
1083	Affected connectivity organization of the reward system structure in obesity. <i>NeuroImage</i> , <b>2015</b> , 111, 100-6	7.9	34
1082	GraphVar: a user-friendly toolbox for comprehensive graph analyses of functional brain connectivity. <b>2015</b> , 245, 107-15		94
1081	Functional connectivity in frontal-striatal brain networks and cocaine self-administration in female rhesus monkeys. <b>2015</b> , 232, 745-54		16
1080	Clinical Functional MRI. <b>2015</b> ,		4
1079	Breakdown of the brain's functional network modularity with awareness. <b>2015</b> , 112, 3799-804		89
1078	Brain connectivity in late-life depression and aging revealed by network analysis. <b>2015</b> , 23, 642-50		16
1077	Network topology and functional connectivity disturbances precede the onset of Huntington's disease. <b>2015</b> , 138, 2332-46		75
1076	Neural Correlates of Motor Deficits in Young Patients with Traumatic Brain Injury. <b>2015</b> , 461-468		1
1075	Nodal approach reveals differential impact of lateralized focal epilepsies on hub reorganization. <i>NeuroImage</i> , <b>2015</b> , 118, 39-48	7.9	26
1074	Dynamic reorganization of human resting-state networks during visuospatial attention. <b>2015</b> , 112, 8112-7		109
1073	Functional network centrality in obesity: A resting-state and task fMRI study. <b>2015</b> , 233, 331-8		61
1072	How important is the seizure onset zone for seizure dynamics?. <b>2015</b> , 25, 160-6		38
1071	A hyper-connected but less efficient small-world network in the substance-dependent brain. <b>2015</b> , 152, 102-8		32
1070	Disrupted Global and Regional Structural Networks and Subnetworks in Children with Localization-Related Epilepsy. <b>2015</b> , 36, 1362-8		29
1069	Estimating individual contribution from group-based structural correlation networks. <i>NeuroImage</i> , <b>2015</b> , 120, 274-84	7.9	28
1068	Heritability of the network architecture of intrinsic brain functional connectivity. <i>NeuroImage</i> , <b>2015</b> , 121, 243-52	7.9	44

1067	Functional brain network changes associated with clinical and biochemical measures of the severity of hepatic encephalopathy. <i>NeuroImage</i> , <b>2015</b> , 122, 332-44	7.9	27
1066	Image edge detection based on local dimension: A complex networks approach. <b>2015</b> , 440, 9-18		20
1065	Chow-Liu trees are sufficient predictive models for reproducing key features of functional networks of periictal EEG time-series. <i>NeuroImage</i> , <b>2015</b> , 118, 520-37	7.9	7
1064	Developmental changes in spontaneous electrocortical activity and network organization from early to late childhood. <i>NeuroImage</i> , <b>2015</b> , 118, 237-47	7.9	77
1063	Default mode network connectivity during task execution. <i>NeuroImage</i> , <b>2015</b> , 122, 96-104	7.9	93
1062	Flexible brain network reconfiguration supporting inhibitory control. <b>2015</b> , 112, 10020-5		64
1061	Disconnection of network hubs and cognitive impairment after traumatic brain injury. <b>2015</b> , 138, 1696-709		113
1060	Connectome signatures of neurocognitive abnormalities in euthymic bipolar I disorder. <b>2015</b> , 68, 37-44		49
1059	The effects of SIFT on the reproducibility and biological accuracy of the structural connectome. <i>NeuroImage</i> , <b>2015</b> , 104, 253-65	7.9	146
1058	Cortical Brain Connectivity and B-Type Natriuretic Peptide in Patients With Congestive Heart Failure. <b>2015</b> , 46, 224-9		11
1057	Voxel-Wise Functional Connectomics Using Arterial Spin Labeling Functional Magnetic Resonance Imaging: The Role of Denoising. <b>2015</b> , 5, 543-53		22
1056	Reliance on functional resting-state network for stable task control predicts behavioral tendency for cooperation. <i>NeuroImage</i> , <b>2015</b> , 118, 231-6	7.9	15
1055	Combining Graph Analysis and Recurrence Plot on fMRI data. <b>2015</b> ,		
1054	Abnormal structural connectivity in the brain networks of children with hydrocephalus. <b>2015</b> , 8, 483-92		13
1053	Randomization and resilience of brain functional networks as systems-level endophenotypes of schizophrenia. <b>2015</b> , 112, 9123-8		89
1052	Speech networks at rest and in action: interactions between functional brain networks controlling speech production. <b>2015</b> , 113, 2967-78		45
1051	What Cascade Spreading Models Can Teach Us about the Brain. <b>2015</b> , 86, 1327-9		6
1050	Cognitive Flexibility through Metastable Neural Dynamics Is Disrupted by Damage to the Structural Connectome. <b>2015</b> , 35, 9050-63		76

1049	Developmental Changes in Brain Network Hub Connectivity in Late Adolescence. <b>2015</b> , 35, 9078-87		99
1048	Task- and stimulus-related cortical networks in language production: Exploring similarity of MEG- and fMRI-derived functional connectivity. <i>NeuroImage</i> , <b>2015</b> , 120, 75-87	7.9	21
1047	Structural Connectivity Networks of Transgender People. <b>2015</b> , 25, 3527-34		59
1046	Using inter-town network analysis in city system planning: A case study of Hubei Province in China. <b>2015</b> , 49, 454-465		15
1045	Coevolution between strategy and social networks structure promotes cooperation. <b>2015</b> , 77, 253-263		14
1044	Network analysis of mesoscale optical recordings to assess regional, functional connectivity. <b>2015</b> , 2, 041405		10
1043	PCC characteristics at rest in 10-year memory decliners. <b>2015</b> , 36, 2812-20		20
1042	A two-part mixed-effects modeling framework for analyzing whole-brain network data. <i>NeuroImage</i> , <b>2015</b> , 113, 310-9	7.9	21
1041	The frequency dimension of fMRI dynamic connectivity: Network connectivity, functional hubs and integration in the resting brain. <i>NeuroImage</i> , <b>2015</b> , 121, 227-42	7.9	76
1040	Minimum connected component $\square$ A novel approach to detection of cognitive load induced changes in functional brain networks. <b>2015</b> , 170, 15-31		16
1039	Connectivity analysis of normal and mild cognitive impairment patients based on FDG and PiB-PET images. <b>2015</b> , 98, 50-8		14
1038	Lateral Prefrontal Cortex Contributes to Fluid Intelligence Through Multinetwork Connectivity. <b>2015</b> , 5, 497-504		56
1037	Multiple interacting brain areas underlie successful spatiotemporal memory retrieval in humans. <b>2014</b> , 4, 6431		87
1036	Cooperative and Competitive Spreading Dynamics on the Human Connectome. <b>2015</b> , 86, 1518-29		197
1035	Electrical Brain Responses to an Auditory Illusion and the Impact of Musical Expertise. <b>2015</b> , 10, e0129486		17
1034	Hubs of Anticorrelation in High-Resolution Resting-State Functional Connectivity Network Architecture. <b>2015</b> , 5, 267-75		28
1033	Structural and Functional Components of Brain Networks for Language. <b>2015</b> , 653-659		
1032	The influence of construction methodology on structural brain network measures: A review. <b>2015</b> , 253, 170-82		55

1031	Methodological Issues in fMRI Functional Connectivity and Network Analysis. <b>2015</b> , 697-704		1
1030	Human implicit intent recognition based on the phase synchrony of EEG signals. <b>2015</b> , 66, 144-152		18
1029	Multimodal Imaging of Brain Connectivity Using the MIBCA Toolbox: Preliminary Application to Alzheimer's Disease. <b>2015</b> , 62, 604-611		4
1028	Control over the strength of connections between modules: a double dissociation between stimulus format and task revealed by Granger causality mapping in fMRI. <b>2015</b> , 6, 321		2
1027	Identifying patients with Alzheimer's disease using resting-state fMRI and graph theory. <b>2015</b> , 126, 2132-41		133
1026	Diffusion-MRI in neurodegenerative disorders. <b>2015</b> , 33, 853-76		60
1025	Functional connectivity hubs of the mouse brain. <i>NeuroImage</i> , <b>2015</b> , 115, 281-91	7.9	105
1024	Dynamic reorganization of brain functional networks during cognition. <i>NeuroImage</i> , <b>2015</b> , 114, 398-413	7.9	108
1023	Prüdis on The Cognitive-Emotional Brain. <b>2015</b> , 38, e71		43
1022	Mapping the developing human brain in utero using quantitative MR imaging techniques. <b>2015</b> , 39, 105-12		10
1021	Effects of long-term methylphenidate treatment in adolescent and adult rats on hippocampal shape, functional connectivity and adult neurogenesis. <b>2015</b> , 309, 243-58		20
1020	Graph-Theoretical Analysis of Brain Networks. <b>2015</b> , 629-633		3
1019	Brain connectivity analysis from EEG signals using stable phase-synchronized states during face perception tasks. <b>2015</b> , 434, 273-295		23
1018	An Exploratory Investigation of Functional Network Connectivity of Empathy and Default Mode Networks in a Free-Viewing Task. <b>2015</b> , 5, 384-400		4
1017	Network topology and dynamics in traumatic brain injury. <b>2015</b> , 4, 92-102		18
1016	Network inference in the presence of latent confounders: the role of instantaneous causalities. <b>2015</b> , 245, 91-106		14
1015	Can we neglect the multi-layer structure of functional networks?. <b>2015</b> , 430, 184-192		41
1014	Brain network disturbance related to posttraumatic stress and traumatic brain injury in veterans. <b>2015</b> , 78, 210-6		86



1013	The organisation of the elderly connectome. <i>NeuroImage</i> , <b>2015</b> , 114, 414-26	7.9	47
1012	Functional connectivity homogeneity correlates with duration of temporal lobe epilepsy. <b>2015</b> , 46, 227-33		23
1011	Neuroimaging in autism spectrum disorder: brain structure and function across the lifespan. <b>2015</b> , 14, 1121-34		237
1010	Structural connectivity analysis reveals abnormal brain connections in agenesis of the corpus callosum in children. <b>2015</b> , 25, 1471-8		16
1009	Developmental time windows for axon growth influence neuronal network topology. <b>2015</b> , 109, 275-86		12
1008	Time-Varying Network Measures in Resting and Task States Using Graph Theoretical Analysis. <b>2015</b> , 28, 529-40		9
1007	Connectomics and new approaches for analyzing human brain functional connectivity. <b>2015</b> , 4, 13		42
1006	Functional brain network modularity predicts response to cognitive training after brain injury. <b>2015</b> , 84, 1568-74		89
1005	Enhanced functional connectivity and increased gray matter volume of insula related to action video game playing. <b>2015</b> , 5, 9763		54
1004	Developmental sex differences in resting state functional connectivity of amygdala sub-regions. <i>NeuroImage</i> , <b>2015</b> , 115, 235-44	7.9	65
1003	Focal cortical dysplasia alters electrophysiological cortical hubs in the resting-state. <b>2015</b> , 126, 1482-92		10
1002	Disrupted developmental organization of the structural connectome in fetuses with corpus callosum agenesis. <i>NeuroImage</i> , <b>2015</b> , 111, 277-88	7.9	50
1001	Resting state functional connectivity of the anterior cingulate cortex in veterans with and without post-traumatic stress disorder. <b>2015</b> , 36, 99-109		71
1000	Gradual emergence of spontaneous correlated brain activity during fading of general anesthesia in rats: Evidences from fMRI and local field potentials. <i>NeuroImage</i> , <b>2015</b> , 114, 185-98	7.9	54
999	Brain Plasticity in fMRI and DTI. <b>2015</b> , 289-311		3
998	A longitudinal EEG study of Alzheimer's disease progression based on a complex network approach. <b>2015</b> , 25, 1550005		77
997	Common and Dissociable Dysfunction of the Reward System in Bipolar and Unipolar Depression. <b>2015</b> , 40, 2258-68		149
996	Functional connectome assessed using graph theory in drug-naive Parkinson's disease. <b>2015</b> , 262, 1557-67		68

995	Small-worldness and gender differences of large scale brain metabolic covariance networks in young adults: a FDG PET study of 400 subjects. <b>2015</b> , 56, 204-13	9
994	Brain network alterations and vulnerability to simulated neurodegeneration in breast cancer. <b>2015</b> , 36, 2429-42	61
993	Rich Club Organization and Cognitive Performance in Healthy Older Participants. <b>2015</b> , 27, 1801-10	41
992	Aberrant cerebral network topology and mild cognitive impairment in early Parkinson's disease. <b>2015</b> , 36, 2980-95	67
991	The network topology of aneurysmal subarachnoid haemorrhage. <b>2015</b> , 86, 895-901	5
990	Disrupted Functional Brain Connectome in Patients with Posttraumatic Stress Disorder. <b>2015</b> , 276, 818-27	107
989	Cerebral cartography and connectomics. <b>2015</b> , 370,	47
988	Connectomics-based analysis of information flow in the Drosophila brain. <b>2015</b> , 25, 1249-58	127
987	Altered functional connectivity in the brain default-mode network of earthquake survivors persists after 2 years despite recovery from anxiety symptoms. <b>2015</b> , 10, 1497-505	23
986	Architecture of the cerebral cortical association connectome underlying cognition. <b>2015</b> , 112, E2093-101	150
985	Schizophrenia-like topological changes in the structural connectome of individuals with subclinical psychotic experiences. <b>2015</b> , 36, 2629-43	50
984	Altered anatomical patterns of depression in relation to antidepressant treatment: Evidence from a pattern recognition analysis on the topological organization of brain networks. <b>2015</b> , 180, 129-37	29
983	Changes in functional connectivity related to direct training and generalization effects of a word finding treatment in chronic aphasia. <b>2015</b> , 150, 103-16	34
982	HERITABILITY OF BRAIN NETWORK TOPOLOGY IN 853 TWINS AND SIBLINGS. <b>2015</b> , 2015, 449-453	4
981	Imaging human brain networks to improve the clinical efficacy of non-invasive brain stimulation. <b>2015</b> , 57, 187-98	80
980	A heuristic branch-and-bound based thresholding algorithm for unveiling cognitive activity from EEG data. <b>2015</b> , 170, 32-46	5
979	Dynamic changes in network synchrony reveal resting-state functional networks. <b>2015</b> , 25, 023116	20
978	Identifying brain dynamic network states via GIG-ICA: Application to schizophrenia, bipolar and schizoaffective disorders. <b>2015</b> ,	3

977	Age-related changes in the topological organization of the white matter structural connectome across the human lifespan. <b>2015</b> , 36, 3777-92	101
976	Development and aging of cortical thickness correspond to genetic organization patterns. <b>2015</b> , 112, 15462-7	149
975	A Hybrid of Deep Network and Hidden Markov Model for MCI Identification with Resting-State fMRI. <b>2015</b> , 9349, 573-580	11
974	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntington's disease. <b>2015</b> , 138, 3327-44	66
973	Reduced Hemispheric Asymmetry of Brain Anatomical Networks Is Linked to Schizophrenia: A Connectome Study. <b>2017</b> , 27, 602-615	50
972	Distributed and Sequential Algorithms for Bioinformatics. <b>2015</b> ,	7
971	Moment to moment variability in functional brain networks during cognitive activity in EEG data. <b>2015</b> , 14, 383-402	3
970	Validating Neuro-Computational Models of Neurological and Psychiatric Disorders. <b>2015</b> ,	5
969	Multimodal neuroimaging computing: the workflows, methods, and platforms. <b>2015</b> , 2, 181-195	14
968	Functional Magnetic Resonance Imaging Methods. <b>2015</b> , 25, 289-313	75
967	The effects of chronic alcohol self-administration in nonhuman primate brain networks. <b>2015</b> , 39, 659-71	6
966	Direct Causal Networks for the Study of Transcranial Magnetic Stimulation Effects on Focal Epileptiform Discharges. <b>2015</b> , 25, 1550006	32
965	Using Novelty-Biased GA to Sample Diversity in Graphs Satisfying Constraints. <b>2015</b> ,	3
964	Dynamic disconnection of the supplementary motor area after processing of dismissive biographic narratives. <b>2015</b> , 5, e00377	16
963	Constrained Tensor Decomposition via Guidance: Increased Inter and Intra-Group Reliability in fMRI Analyses. <b>2015</b> , 361-369	1
962	Dynamic reorganization of functional brain networks during picture naming. <b>2015</b> , 73, 276-88	49
961	Structural covariance in schizophrenia and first-episode psychosis: An approach based on graph analysis. <b>2015</b> , 71, 89-96	10
960	Machine Learning in Medical Imaging. <b>2015</b> ,	4

959	Structural brain network analysis in families multiply affected with bipolar I disorder. <b>2015</b> , 234, 44-51	42
958	Fear of negative evaluation is associated with altered brain function in nonclinical subjects. <b>2015</b> , 234, 362-8	4
957	Semi-metric analysis of the functional brain network: Relationship with familial risk for psychotic disorder. <b>2015</b> , 9, 607-16	6
956	EEGNET: A novel tool for processing and mapping EEG functional networks. <b>2015</b> ,	2
955	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity. <b>2015</b> , 18, 1664-71	1310
954	Handedness- and brain size-related efficiency differences in small-world brain networks: a resting-state functional magnetic resonance imaging study. <b>2015</b> , 5, 259-65	8
953	Nodal centrality of functional network in the differentiation of schizophrenia. <b>2015</b> , 168, 345-52	43
952	Similarity analysis of functional connectivity with functional near-infrared spectroscopy. <b>2015</b> , 20, 86012	6
951	Brain Informatics and Health. <b>2015</b> ,	4
950	Decreased centrality of cortical volume covariance networks in autism spectrum disorders. <b>2015</b> , 69, 142-9	16
949	A systematic review on the applications of resting-state fMRI in Parkinson's disease: Does dopamine replacement therapy play a role?. <b>2015</b> , 73, 80-105	123
948	Towards a systems view of IBS. <b>2015</b> , 12, 592-605	154
947	Musical expertise is related to altered functional connectivity during audiovisual integration. <b>2015</b> , 112, 12522-7	26
946	Motor network efficiency and disability in multiple sclerosis. <b>2015</b> , 85, 1115-22	30
945	Schizophrenia symptoms and brain network efficiency: A resting-state fMRI study. <b>2015</b> , 234, 208-18	28
944	Probabilistic modelling of security of supply in gas networks and evaluation of new infrastructure. <b>2015</b> , 144, 254-264	84
943	Identifying community structure in complex networks. <b>2015</b> , 29, 1550131	
942	Persistent Homology in Sparse Regression and Its Application to Brain Morphometry. <b>2015</b> , 34, 1928-39	41

941	New imaging language skills required in MS. <b>2015</b> , 85, 1096-7		2
940	Grey matter networks in people at increased familial risk for schizophrenia. <b>2015</b> , 168, 1-8		30
939	Characterization of Cortical Networks and Corticocortical Functional Connectivity Mediating Arbitrary Visuomotor Mapping. <b>2015</b> , 35, 12643-58		27
938	Identification of Discriminative Subgraph Patterns in fMRI Brain Networks in Bipolar Affective Disorder. <b>2015</b> , 105-114		17
937	Small-worldness characteristics and its gender relation in specific hemispheric networks. <b>2015</b> , 310, 1-11		39
936	Cognitive Activity during Web Search. <b>2015</b> ,		1
935	Functional correlates of preserved naming performance in amnesic Mild Cognitive Impairment. <b>2015</b> , 76, 136-52		14
934	Low-frequency connectivity is associated with mild traumatic brain injury. <b>2015</b> , 7, 611-21		52
933	What graph theory actually tells us about resting state interictal MEG epileptic activity. <b>2015</b> , 8, 503-15		48
932	Dynamics of the connectome in Huntington's disease: A longitudinal diffusion MRI study. <b>2015</b> , 9, 32-43		19
931	Dynamic functional connectivity among neuronal population during modulation of extra-classical receptive field in primary visual cortex. <b>2015</b> , 117, 45-53		2
930	Structural damage in early preterm brain changes the electric resting state networks. <i>NeuroImage</i> , <b>2015</b> , 120, 266-73	7.9	18
929	Dissociative contributions of the anterior cingulate cortex to apathy and depression: Topological evidence from resting-state functional MRI. <b>2015</b> , 77, 10-8		28
928	The modular and integrative functional architecture of the human brain. <b>2015</b> , 112, E6798-807		286
927	Information theory approach to the Landers aftershock sequence. <b>2015</b> , 111, 19001		
926	SimNet: A new algorithm for measuring brain networks similarity. <b>2015</b> ,		0
925	Default Mode Dynamics for Global Functional Integration. <b>2015</b> , 35, 15254-62		210
924	Efficient resting-state EEG network facilitates motor imagery performance. <b>2015</b> , 12, 066024		73

923	Functional brain network analysis of the fatigue state for coach bus driver. <b>2015,</b>		
922	Brain connectivity and novel network measures for Alzheimer's disease classification. <b>2015,</b> 36 Suppl 1, S121-31		68
921	Multicontrast connectometry: a new tool to assess cerebellum alterations in early relapsing-remitting multiple sclerosis. <b>2015,</b> 36, 1609-19		22
920	Opportunities and methodological challenges in EEG and MEG resting state functional brain network research. <b>2015,</b> 126, 1468-81		206
919	Disrupted small world topology and modular organisation of functional networks in late-life depression with and without amnesic mild cognitive impairment. <b>2015,</b> 86, 1097-105		36
918	Resilience by teaming in supply network formation and re-configuration. <b>2015,</b> 160, 80-93		47
917	Reproducibility of graph-theoretic brain network metrics: a systematic review. <b>2015,</b> 5, 193-202		53
916	Testing group differences in brain functional connectivity: using correlations or partial correlations?. <b>2015,</b> 5, 214-31		14
915	Associations of resting-state fMRI functional connectivity with flow-BOLD coupling and regional vasculature. <b>2015,</b> 5, 137-46		43
914	Assessing dynamic brain graphs of time-varying connectivity in fMRI data: application to healthy controls and patients with schizophrenia. <i>NeuroImage</i> , <b>2015,</b> 107, 345-355	7.9	136
913	Neural signatures of autism spectrum disorders: insights into brain network dynamics. <b>2015,</b> 40, 171-89		77
912	An EEG-Based Biometric System Using Eigenvector Centrality in Resting State Brain Networks. <b>2015,</b> 22, 666-670		92
911	The impact of normalization and segmentation on resting-state brain networks. <b>2015,</b> 5, 166-76		13
910	Development of human brain structural networks through infancy and childhood. <b>2015,</b> 25, 1389-404		118
909	Consistent anterior-posterior segregation of the insula during the first 2 years of life. <b>2015,</b> 25, 1176-87		60
908	Age- and sex-related variations in the brain white matter fractal dimension throughout adulthood: an MRI study. <b>2015,</b> 25, 19-32		17
907	A Brain-Wide Study of Age-Related Changes in Functional Connectivity. <b>2015,</b> 25, 1987-99		388
906	Dynamic brain functional connectivity modulated by resting-state networks. <b>2015,</b> 220, 37-46		95

905	Connectomics: a new paradigm for understanding brain disease. <b>2015</b> , 25, 733-48		137
904	Localization of epileptogenic zones in Lennox-Gastaut syndrome (LGS) using graph theoretical analysis of ictal intracranial EEG: a preliminary investigation. <b>2015</b> , 37, 29-36		8
903	Linked Sex Differences in Cognition and Functional Connectivity in Youth. <b>2015</b> , 25, 2383-94		209
902	Toward neurobiological characterization of functional homogeneity in the human cortex: regional variation, morphological association and functional covariance network organization. <b>2015</b> , 220, 2485-507		92
901	The minimum spanning tree: an unbiased method for brain network analysis. <i>NeuroImage</i> , <b>2015</b> , 104, 177-88	7.9	197
900	Structural Brain Connectivity in School-Age Preterm Infants Provides Evidence for Impaired Networks Relevant for Higher Order Cognitive Skills and Social Cognition. <b>2015</b> , 25, 2793-805		128
899	Preferential detachment during human brain development: age- and sex-specific structural connectivity in diffusion tensor imaging (DTI) data. <b>2015</b> , 25, 1477-89		82
898	Structural network alterations and neurological dysfunction in cerebral amyloid angiopathy. <b>2015</b> , 138, 179-88		120
897	Connectivity network measures predict volumetric atrophy in mild cognitive impairment. <b>2015</b> , 36 Suppl 1, S113-20		24
896	Cortical connectivity in fronto-temporal focal epilepsy from EEG analysis: A study via graph theory. <b>2015</b> , 126, 1108-1116		46
895	Weighted brain networks in disease: centrality and entropy in human immunodeficiency virus and aging. <b>2015</b> , 36, 401-12		36
894	Positive and negative affective processing exhibit dissociable functional hubs during the viewing of affective pictures. <b>2015</b> , 36, 415-26		23
893	Disrupted structural connectivity network in treatment-naive depression. <b>2015</b> , 56, 18-26		49
892	Connectome and Maturation Profiles of the Developing Mouse Brain Using Diffusion Tensor Imaging. <b>2015</b> , 25, 2696-706		15
891	Connectomics and neuroticism: an altered functional network organization. <b>2015</b> , 40, 296-304		50
890	Decreased centrality of subcortical regions during the transition to adolescence: a functional connectivity study. <i>NeuroImage</i> , <b>2015</b> , 104, 44-51	7.9	34
889	Abnormalities in structural covariance of cortical gyrification in schizophrenia. <b>2015</b> , 220, 2059-71		59
888	Early and late age of seizure onset have a differential impact on brain resting-state organization in temporal lobe epilepsy. <b>2015</b> , 28, 113-26		31

887	Detecting functional hubs of ictogenic networks. <b>2015</b> , 28, 305-17	31
886	The Default Mode Network Differentiates Biological From Non-Biological Motion. <b>2016</b> , 26, 234-245	15
885	Aberrant Global and Regional Topological Organization of the Fractional Anisotropy-weighted Brain Structural Networks in Major Depressive Disorder. <b>2016</b> , 129, 679-89	11
884	Optimized implementations of voxel-wise degree centrality and local functional connectivity density mapping in AFNI. <b>2016</b> , 5,	0
883	Imaging Brain Networks for Language: Methodology and Examples from the Neurobiology of Reading. <b>2016</b> , 805-814	4
882	Identification of segregated regions in the functional brain connectome of autistic patients by a combination of fuzzy spectral clustering and entropy analysis. <b>2016</b> , 41, 124-32	9
881	Hyperbrain features of team mental models within a juggling paradigm: a proof of concept. <b>2016</b> , 4, e2457	15
880	A Multi-facetted Visual Analytics Tool for Exploratory Analysis of Human Brain and Function Datasets. <b>2016</b> , 10, 36	14
879	Abnormal organization of white matter networks in patients with subjective cognitive decline and mild cognitive impairment. <b>2016</b> , 7, 48953-48962	26
878	Time-Frequency Methodologies in Neurosciences. <b>2016</b> , 915-966	2
877	Enhanced functional connectivity properties of human brains during in-situ nature experience. <b>2016</b> , 4, e2210	28
876	Functional Integration between Salience and Central Executive Networks: A Role for Action Video Game Experience. <b>2016</b> , 2016, 9803165	38
875	Hemispheric Coherence in ASD with and without Comorbid ADHD and Anxiety. <b>2016</b> , 2016, 4267842	9
874	Machine Learning of DTI Structural Brain Connectomes for Lateralization of Temporal Lobe Epilepsy. <b>2016</b> , 15, 121-9	22
873	Brain Connectomics' Modification to Clarify Motor and Nonmotor Features of Myotonic Dystrophy Type 1. <b>2016</b> , 2016, 2696085	23
872	Uniting functional network topology and oscillations in the fronto-parietal single unit network of behaving primates. <b>2016</b> , 5,	34
871	EEG Source Imaging Guided by Spatiotemporal Specific fMRI: Toward an Understanding of Dynamic Cognitive Processes. <b>2016</b> , 2016, 4182483	14
870	Quantitative EEG and Cognitive Decline in Parkinson's Disease. <b>2016</b> , 2016, 9060649	31



869	A simple generative model of the mouse mesoscale connectome. <b>2016</b> , 5, e12366	16
868	Small Changes, But Huge Impact? The Right Anterior Insula's Loss of Connection Strength during the Transition of Old to Very Old Age. <b>2016</b> , 8, 86	16
867	Age-Related Differences in the Modulation of Small-World Brain Networks during a Go/NoGo Task. <b>2016</b> , 8, 100	13
866	Glucose Metabolic Brain Networks in Early-Onset vs. Late-Onset Alzheimer's Disease. <b>2016</b> , 8, 159	20
865	Higher Physical Activity Is Associated with Increased Attentional Network Connectivity in the Healthy Elderly. <b>2016</b> , 8, 198	12
864	Distinct Aging Effects on Functional Networks in Good and Poor Cognitive Performers. <b>2016</b> , 8, 215	12
863	Disrupted Nodal and Hub Organization Account for Brain Network Abnormalities in Parkinson's Disease. <b>2016</b> , 8, 259	35
862	Global Efficiency of Structural Networks Mediates Cognitive Control in Mild Cognitive Impairment. <b>2016</b> , 8, 292	30
861	Toward Developmental Connectomics of the Human Brain. <b>2016</b> , 10, 25	78
860	Functional and Topological Conditions for Explosive Synchronization Develop in Human Brain Networks with the Onset of Anesthetic-Induced Unconsciousness. <b>2016</b> , 10, 1	77
859	Structural Brain Network: What is the Effect of LiFE Optimization of Whole Brain Tractography?. <b>2016</b> , 10, 12	11
858	Structure and Topology Dynamics of Hyper-Frequency Networks during Rest and Auditory Oddball Performance. <b>2016</b> , 10, 108	12
857	Magnetoencephalography in Stroke Recovery and Rehabilitation. <b>2016</b> , 7, 35	14
856	Immediate and Longitudinal Alterations of Functional Networks after Thalamotomy in Essential Tremor. <b>2016</b> , 7, 184	18
855	Multi-Dimensional Dynamics of Human Electromagnetic Brain Activity. <b>2015</b> , 9, 713	35
854	Alterations of Functional and Structural Networks in Schizophrenia Patients with Auditory Verbal Hallucinations. <b>2016</b> , 10, 114	20
853	Functional Connectivity of the Dorsal Striatum in Female Musicians. <b>2016</b> , 10, 178	6
852	Combining Partial Directed Coherence and Graph Theory to Analyse Effective Brain Networks of Different Mental Tasks. <b>2016</b> , 10, 235	27

851	Mid-Task Break Improves Global Integration of Functional Connectivity in Lower Alpha Band. <b>2016</b> , 10, 304	35
850	Alien Hand, Restless Brain: Salience Network and Interhemispheric Connectivity Disruption Parallel Emergence and Extinction of Diagonistic Dyspraxia. <b>2016</b> , 10, 307	8
849	An Increase in Postural Load Facilitates an Anterior Shift of Processing Resources to Frontal Executive Function in a Postural-Suprapostural Task. <b>2016</b> , 10, 420	9
848	Building an EEG-fMRI Multi-Modal Brain Graph: A Concurrent EEG-fMRI Study. <b>2016</b> , 10, 476	29
847	Prediction of Biological Motion Perception Performance from Intrinsic Brain Network Regional Efficiency. <b>2016</b> , 10, 552	4
846	Functional Connectivity of Child and Adolescent Attention Deficit Hyperactivity Disorder Patients: Correlation with IQ. <b>2016</b> , 10, 565	14
845	ToolConnect: A Functional Connectivity Toolbox for In vitro Networks. <b>2016</b> , 10, 13	15
844	A Monte Carlo Evaluation of Weighted Community Detection Algorithms. <b>2016</b> , 10, 45	28
843	A Symmetry-Based Method to Infer Structural Brain Networks from Probabilistic Tractography Data. <b>2016</b> , 10, 46	3
842	Mixed Effects Models for Resampled Network Statistics Improves Statistical Power to Find Differences in Multi-Subject Functional Connectivity. <b>2016</b> , 10, 108	12
841	EEG Resting State Functional Connectivity Analysis in Children with Benign Epilepsy with Centrottemporal Spikes. <b>2016</b> , 10, 143	37
840	Altered Brain Network in Amyotrophic Lateral Sclerosis: A Resting Graph Theory-Based Network Study at Voxel-Wise Level. <b>2016</b> , 10, 204	33
839	Positron Emission Tomography Reveals Abnormal Topological Organization in Functional Brain Network in Diabetic Patients. <b>2016</b> , 10, 235	11
838	Altered Cerebral Blood Flow Covariance Network in Schizophrenia. <b>2016</b> , 10, 308	50
837	Mapping Multiplex Hubs in Human Functional Brain Networks. <b>2016</b> , 10, 326	89
836	Exploring Patterns of Alteration in Alzheimer's Disease Brain Networks: A Combined Structural and Functional Connectomics Analysis. <b>2016</b> , 10, 380	24
835	Using Individualized Brain Network for Analyzing Structural Covariance of the Cerebral Cortex in Alzheimer's Patients. <b>2016</b> , 10, 394	22
834	Graph Theory-Based Brain Connectivity for Automatic Classification of Multiple Sclerosis Clinical Courses. <b>2016</b> , 10, 478	49

833	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. <b>2016</b> , 10, 515	77
832	Insights into Brain Architectures from the Homological Scaffolds of Functional Connectivity Networks. <b>2016</b> , 10, 85	27
831	Brain networks using nonlinear interdependence-based EEG synchronization: A study of human fatigue. <b>2016</b> ,	2
830	Topology, Cross-Frequency, and Same-Frequency Band Interactions Shape the Generation of Phase-Amplitude Coupling in a Neural Mass Model of a Cortical Column. <b>2016</b> , 12, e1005180	20
829	Network Analysis and Visualization of Mouse Retina Connectivity Data. <b>2016</b> , 11, e0158626	0
828	Distinct Global Brain Dynamics and Spatiotemporal Organization of the Salience Network. <b>2016</b> , 14, e1002469	191
827	Brain Connectivity Dissociates Responsiveness from Drug Exposure during Propofol-Induced Transitions of Consciousness. <b>2016</b> , 12, e1004669	77
826	High-Degree Neurons Feed Cortical Computations. <b>2016</b> , 12, e1004858	56
825	Interplay between Graph Topology and Correlations of Third Order in Spiking Neuronal Networks. <b>2016</b> , 12, e1004963	17
824	Adolescent Maturation of Dopamine D1 and D2 Receptor Function and Interactions in Rodents. <b>2016</b> , 11, e0146966	31
823	Investigating Cooperative Behavior in Ecological Settings: An EEG Hyperscanning Study. <b>2016</b> , 11, e0154236	93
822	Invisible Brain: Knowledge in Research Works and Neuron Activity. <b>2016</b> , 11, e0158590	4
821	Top-Down Network Effective Connectivity in Abstinent Substance Dependent Individuals. <b>2016</b> , 11, e0164818	12
820	Neuronal network architecture and temporal lobe epilepsy: A connectome-based and machine learning study. <b>2016</b> , 455-476	
819	Small Worldness in Dense and Weighted Connectomes. <b>2016</b> , 4,	8
818	Layered Social Network Analysis Reveals Complex Relationships in Kindergarteners. <b>2016</b> , 7, 276	3
817	White-Matter Structural Connectivity Underlying Human Laughter-Related Traits Processing. <b>2016</b> , 7, 1637	8
816	Network functional connectivity and whole-brain functional connectomics to investigate cognitive decline in neurodegenerative conditions. <b>2016</b> , 31, 191-203	19

815	Globally Efficient Brain Organization and Treatment Response in Psychosis: A Connectomic Study of Gyri-fication. <b>2016</b> , 42, 1446-1456		37
814	Structural Brain Network Reorganization and Social Cognition Related to Adverse Perinatal Condition from Infancy to Early Adolescence. <b>2016</b> , 10, 560		18
813	Network Theoretical Approach to Describe Epileptic Processes. <b>2016</b> ,		2
812	Aberrant topologies and reconfiguration pattern of functional brain network in children with second language reading impairment. <b>2016</b> , 19, 657-72		9
811	Increased Modularity of Resting State Networks Supports Improved Narrative Production in Aphasia Recovery. <b>2016</b> , 6, 524-9		36
810	Fronto-Parietal gray matter and white matter efficiency differentially predict intelligence in males and females. <b>2016</b> , 37, 4006-4016		17
809	Frequency specific patterns of resting-state networks development from childhood to adolescence: A magnetoencephalography study. <b>2016</b> , 38, 893-902		6
808	Structural and functional connectivity between the lateral posterior-pulvinar complex and primary visual cortex in the ferret. <b>2016</b> , 43, 230-44		10
807	Dynamic regional phase synchrony (DRePS): An Instantaneous Measure of Local fMRI Connectivity Within Spatially Clustered Brain Areas. <b>2016</b> , 37, 1970-85		20
806	Connectome sensitivity or specificity: which is more important?. <i>NeuroImage</i> , <b>2016</b> , 142, 407-420	7.9	184
805	Cognitive specialization for verbal vs. spatial ability in men and women: Neural and behavioral correlates. <b>2016</b> , 102, 60-67		
804	The Cognitive Social Network in Dreams: Transitivity, Assortativity, and Giant Component Proportion Are Monotonic. <b>2016</b> , 40, 671-96		6
803	Gibbs distribution for statistical analysis of graphical data with a sample application to fMRI brain images. <b>2016</b> , 35, 566-80		14
802	Abnormal white matter structural networks characterize heroin-dependent individuals: a network analysis. <b>2016</b> , 21, 667-78		21
801	Polymicrogyric Cortex may Predispose to Seizures via Abnormal Network Topology: An fMRI Connectomics Study. <b>2016</b> , 57, e64-8		10
800	Brain structural connectivity distinguishes patients at risk for cognitive decline after carotid interventions. <b>2016</b> , 37, 2185-94		8
799	Small vessel disease and cognitive impairment: The relevance of central network connections. <b>2016</b> , 37, 2446-54		25
798	Out-of-synchrony speech entrainment in developmental dyslexia. <b>2016</b> , 37, 2767-83		106

797	Resting State Brain Network Disturbances Related to Hypomania and Depression in Medication-Free Bipolar Disorder. <b>2016</b> , 41, 3016-3024	60
796	An Anatomical Interface between Memory and Oculomotor Systems. <b>2016</b> , 28, 1772-1783	32
795	Second language learning success revealed by brain networks*. <b>2016</b> , 19, 657-664	22
794	Isolating biomarkers for symptomatic states: considering symptom-substrate chronometry. <b>2016</b> , 21, 1180-7	15
793	Loneliness in late-life depression: structural and functional connectivity during affective processing. <b>2016</b> , 46, 2485-99	30
792	Distances between directed networks and applications. <b>2016</b> ,	3
791	The effects of dexamphetamine on the resting-state electroencephalogram and functional connectivity. <b>2016</b> , 37, 570-88	10
790	The Global Neuronal Workspace as a broadcasting network. 1-40	
789	The structural brain network topology of episodic memory. <b>2022</b> , 17, e0270592	0
788	Distinct patterns of cortical manifold expansion and contraction underlie human sensorimotor adaptation.	
787	Resting state functional connectivity in SLE patients and association with cognitive impairment and blood-brain barrier permeability.	0
786	Classification of early-MCI patients from healthy controls using evolutionary optimization of graph measures of resting-state fMRI, for the Alzheimer's disease neuroimaging initiative. <b>2022</b> , 17, e0267608	1
785	Temporal Grading Index of Functional Network Topology Predicts Pain Perception of Patients With Chronic Back Pain. 13,	1
784	Enhancement of Frequency-Specific Hemodynamic Power and Functional Connectivity by Transcranial Photobiomodulation in Healthy Humans. 16,	2
783	Altered resting-state functional connectivity of the anterior cingulate cortex in rats post noise exposure.	0
782	Denosing Approach Affects Diagnostic Differences in Brain Connectivity across the Alzheimer's Disease Continuum.	
781	Functional Redundancy of the Posterior Hippocampi, but not Anterior Hippocampi or Left Frontal Cortex, is Disrupted in Pathological Brain Aging.	
780	Effects of an Oral Contraceptive on Dynamic Brain States and Network Modularity in a Serial Single-Subject Study. 16,	0

- 779 Dysfunctional cortical gradient topography in treatment resistant major depression.
- 778 Attention mechanism-based network characteristic analysis for major depressive disorder detection.
- 777 Evolution of Cortical Functional Networks in Healthy Infants. 2,
- 776 Acupuncture Regulates Symptoms of Parkinson's Disease via Brain Neural Activity and Functional Connectivity in Mice. 14, 1
- 775 Absolute Winding Number Differentiates Mouse Spatial Navigation Strategies With Genetic Risk for Alzheimer's Disease. 16, 0
- 774 Uncovering individual differences in fine-scale dynamics of functional connectivity. 0
- 773 Effect of Rehabilitation on Brain Functional Connectivity in a Stroke Patient Affected by Conduction Aphasia. **2022**, 12, 5991
- 772 Electrophysiological resting-state hyperconnectivity and poorer behavioural regulation as predisposing profiles of adolescent binge drinking. **2022**, 27,
- 771 Shared and specific patterns of structural brain connectivity across affective and psychotic disorders. **2022**, 0
- 770 Functional modular organization unfolded by chimera-like dynamics in a large-scale brain network model.
- 769 Abnormal white-matter rich-club organization in obsessive-compulsive disorder. 0
- 768 State and Trait Anxiety Share Common Network Topological Mechanisms of Human Brain. 16, 0
- 767 Reorganized hubs of brain functional networks following acute mild traumatic brain injury. 0
- 766 Longitudinal study of irradiation-induced brain functional network alterations in patients with nasopharyngeal carcinoma. **2022**, 0
- 765 Long-term Meditation Training Is Associated with Enhanced Subjective Attention and Stronger Posterior Cingulate-Rostrolateral Prefrontal Cortex Resting Connectivity. 1-14
- 764 Interacting brains revisited: A cross-brain network neuroscience perspective. 1
- 763 Commentary: Person-specific, multivariate, and dynamic analytic approaches to actualize ACBS task force recommendations for contextual behavioral science. **2022**, 25, 35-43 0
- 762 Local inefficiency of the default mode network in young men with narcissistic personality disorder. **2022**, 784, 136720

- 761 Neural connectome features of procrastination: Current progress and future direction. **2022**, 161, 105882 ○
- 760 Structural connectivity and intelligence in brain-injured children. **2022**, 173, 108285 ○
- 759 Unbalanced functional connectivity at rest affects the ERP correlates of affective prediction in high intolerance of uncertainty individuals: A high density EEG investigation. **2022**, 178, 22-33 ○
- 758 Arousal impacts distributed hubs modulating the integration of brain functional connectivity. *NeuroImage*, **2022**, 258, 119364 7.9 ○
- 757 An automatic graph-based method for characterizing multichannel networks. **2022**, 166, 105180
- 756 Scalp EEG functional connection and brain network in infants with West syndrome. **2022**, 153, 76-86 3
- 755 Social Data Analysis Techniques and Applications. **2022**, 291-306
- 754 Network Theory in Neuroscience. **2022**, 2190-2206
- 753 Connectome, General. **2022**, 967-976
- 752 Predicting the Symptom Severity in Autism Spectrum Disorder Based on EEG Metrics. **2022**, 30, 1898-1907 ○
- 751 Connectivity Analysis in Normal and Pathological Brains. **2022**, 959-963
- 750 Changes in brain activity with tominersen in early-manifest Huntington's disease. **2022**, 4, ○
- 749 EEG-Based Brain Network Analysis of Chronic Stroke Patients After BCI Rehabilitation Training. 16, 1
- 748 Early Changes in the White Matter Microstructure and Connectome Underlie Cognitive Deficit and Depression Symptoms After Mild Traumatic Brain Injury. 13,
- 747 Mental workload level assessment based on compounded hysteresis effect.
- 746 A guided multiverse study of neuroimaging analyses. **2022**, 13, 1
- 745 Brain Network Alterations in Rectal Cancer Survivors With Depression Tendency: Evaluation With Multimodal Magnetic Resonance Imaging. 13,
- 744 Intrinsic Functional Connectivity in the Default Mode Network Differentiates the Combined and Inattentive Attention Deficit Hyperactivity Disorder Types. 16, ○

743	Directed network analysis reveals changes in cortical and muscular connectivity caused by different standing balance tasks.	1
742	Connectome Mapper 3: A Flexible and Open-Source Pipeline Software for Multiscale Multimodal Human Connectome Mapping. <b>2022</b> , 7, 4248	1
741	Resting-State EEG Functional Connectivity in Children with Rolandic Spikes with or without Clinical Seizures. <b>2022</b> , 10, 1553	0
740	Recovery of neural dynamics criticality in personalized whole-brain models of stroke. <b>2022</b> , 13,	1
739	Brief intensive social gaze training normalizes functional brain connectivity in boys with fragile X syndrome.	
738	The Role of Graph Theory in Evaluating Brain Network Alterations in Frontotemporal Dementia. 13,	0
737	Functional imaging of brain organoids using high-density microelectrode arrays.	0
736	HPC Data Analysis Pipeline for Neuronal Cluster Detection. <b>2022</b> ,	
735	Role of the amygdala in disrupted integration and effective connectivity of cortico-subcortical networks in apathy.	
734	The network collapse in multiple sclerosis: An overview of novel concepts to address disease dynamics. <b>2022</b> , 103108	1
733	Cognitive Challenges Are Better in Distinguishing Binge From Nonbinge Drinkers: An Exploratory Deep-Learning Study of fMRI Data of Multiple Behavioral Tasks and Resting State.	0
732	Recognition of the Multi-class Schizophrenia Based on the Resting-State EEG Network Topology.	0
731	Emerging functional connectivity patterns during sevoflurane anaesthesia in the developing human brain. <b>2022</b> ,	1
730	The age of reason: Functional brain network development during childhood.	
729	Mechanical vibration modulates regional cerebral blood flow and biomechanical co-variance network in a frequency-dependent manner.	
728	Discourse with few words: Coherence statistics, parent-infant actions on objects, and object names. 1-19	1
727	Functional network characteristics based on EEG of patients in acute ischemic stroke: A pilot study. <b>2022</b> , 1-11	
726	Multi-View Feature Enhancement Based on Self-Attention Mechanism Graph Convolutional Network for Autism Spectrum Disorder Diagnosis. 16,	1



725	Identification of Alzheimer’s Disease Progression Stages Using Topological Measures of Resting-State Functional Connectivity Networks: A Comparative Study. <b>2022</b> , 2022, 1-13	
724	A set of hub neurons and non-local connectivity features support global brain dynamics in <i>C. elegans</i> . <b>2022</b> ,	0
723	Pattern of frustration formation in the functional brain network. 1-43	
722	The Key Role of Magnetic Resonance Imaging in the Detection of Neurodegenerative Diseases-Associated Biomarkers: A Review.	
721	Somatosensory Deficits After Stroke: Insights From MRI Studies. 13,	2
720	Frontopolar cortex shapes brain network structure across prefrontal and posterior cingulate cortex. <b>2022</b> , 102314	0
719	Effects of a single-dose methylphenidate challenge on resting-state functional connectivity in stimulant-treatment naive children and adults with ADHD.	0
718	Parallel processing relies on a distributed, low-dimensional cortico-cerebellar architecture.	
717	Altered topological properties of white matter structural network in adults with autism spectrum disorder. <b>2022</b> , 103211	0
716	The brain in flow: A systematic review on the neural basis of the flow state. <b>2022</b> ,	0
715	Differential disruptions in population coding along the dorsal-ventral axis of CA1 in the APP/PS1 mouse model of Alzheimer’s pathology.	
714	Packetization improves communication efficiency in brain networks with rapid and cost-effective propagation strategies.	0
713	Synchrony in directed connectomes.	
712	Determining the OPTIMAL DTI Analysis Method for Application in Cerebral Small Vessel Disease. <b>2022</b> , 103114	1
711	Impaired time-distance reconfiguration patterns in Alzheimer’s disease: a dynamic functional connectivity study with 809 individuals from 7 sites. <b>2022</b> , 23,	0
710	Classifying oscillatory brain activity associated with Indian Rasas using network metrics. <b>2022</b> , 9,	1
709	Reproducibility and repeatability of magnetic resonance imaging in dementia. <b>2022</b> , 101, 8-17	0
708	Structural connections between the noradrenergic and cholinergic system shape the dynamics of functional brain networks. <i>NeuroImage</i> , <b>2022</b> , 260, 119455	7.9 0

- 707 Detecting abnormal connectivity in schizophrenia via a joint directed acyclic graph estimation model. *NeuroImage*, **2022**, 260, 119451 7.9
- 706 Driving EEG based multilayer dynamic brain network analysis for steering process. **2022**, 207, 118121 ○
- 705 Link segmentation entropy for measuring the network complexity. **2022**, 12,
- 704 Novel Antidepressant-Like Properties of the Iron Chelator Deferiprone in a Mouse Model of Depression.
- 703 Disrupted Topological Organization of White Matter Network in Angelman Syndrome.
- 702 Bidirectionally connected cores in a mouse connectome: towards extracting the brain subnetworks essential for consciousness.
- 701 Local efficiency analysis of resting state functional brain network in methamphetamine users. **2022**, 114022
- 700 Comorbid depressive symptoms can aggravate the functional changes of the pain matrix in patients with chronic back pain: A resting-state fMRI study. 14, ○
- 699 Structural disconnection and functional reorganization in Fabry disease: a multimodal MRI study. **2022**, 4, ○
- 698 Does hyperbaric oxygen cause narcosis or hyperexcitability? A quantitative EEG analysis. **2022**, 10, ○
- 697 Decreased modular segregation of the frontoparietal network in major depressive disorder. 13, ○
- 696 Exploring Neural Heterogeneity in Inattention and Hyperactivity.
- 695 Network analysis of the human structural connectome including the brainstem: a new perspective on consciousness.
- 694 Pre-COVID Brain Functional Connectome Features Prospectively Predict Emergence of Distress Symptoms After Onset of the COVID-19 Pandemic. 1-38 ○
- 693 Neural integration and segregation revealed by a joint time-vertex connectome spectral analysis.
- 692 Variability and reproducibility of multi-echo T2 relaxometry: Insights from multi-site, multi-session and multi-subject MRI acquisitions. 2,
- 691 Altered brain network topology in children with auditory processing disorder: A resting-state multi-echo fMRI study. **2022**, 35, 103139 ○
- 690 Modeling functional network topology following stroke through graph theory: functional reorganization and motor recovery prediction. 55,

- 689 Sustained attention task-related changes of functional connectivity in children with ADHD. **2022,**
- 688 Investigating cognitive ability using action-based models of structural brain networks. **2022, 10,**
- 687 A Longitudinal Study of Customer Electricity Load Profiles. **2022,**
- 686 Effects of polygenic risk score of type 2 diabetes on the hippocampal topological property and episodic memory.
- 685 Asymmetric generalizability of multimodal brain-behavior associations across age-groups.
- 684 Functional integrity of visual coding following advanced photoreceptor degeneration.
- 683 Regional Disruption of White Matter Integrity and Network Connectivity Are Related to Cognition. **2022, 1-11** 0
- 682 Study on the changes of Structural Covariance Network in post-traumatic stress disorder.
- 681 Distance-dependent distribution thresholding in probabilistic tractography.
- 680 ??????????????????. **2022,**
- 679 Contextual Effects of Traumatic Brain Injury on the Connectome: Differential Effects of Deployment- and NonDeployment-Acquired Injuries. Publish Ahead of Print,
- 678 Inferring the underlying multivariate structure from bivariate networks with highly correlated nodes. **2022, 12,**
- 677 Investigation of global brain dynamics depending on emotion regulation strategies indicated by graph theoretical brain network measures at system level. 1
- 676 Reconfigurations in brain networks upon awakening from slow wave sleep: Interventions and implications in neural communication. 1-47
- 675 Cognitive resilience depends on white matter connectivity: The Maastricht Study.
- 674 Early diagnosis of Alzheimer's disease using machine learning: a multi-diagnostic, generalizable approach. **2022, 14,** 1
- 673 Joint Selection of Brain Network Nodes and Edges for MCI Identification. **2022, 107082** 1
- 672 Multilayer Network Science. **2022,** 0

- 671 Suboptimal states and frontoparietal network-centered incomplete compensation revealed by dynamic functional network connectivity in patients with post-stroke cognitive impairment. 14,
- 670 Aberrant brain gray matter and functional networks topology in end stage renal disease patients undergoing maintenance hemodialysis with cognitive impairment. 16, ○
- 669 Right anterior insula effective connectivity impairs intrinsic BOLD fluctuations in dorsal attention network in adolescents and young adults with borderline personality symptoms.
- 668 Temporal evolution of multiday, epileptic functional networks prior to seizure occurrence.
- 667 Brain Complexities and Anesthesia: Their Meaning and Measurement. **2022**, 137, 290-302 1
- 666 Learning populations with hubs govern the initiation and propagation of spontaneous bursts in neuronal networks after learning. 16, ○
- 665 The correlations between kinematic profiles and cerebral hemodynamics suggest changes of motor coordination in single and bilateral finger movement. 16,
- 664 Predicting individual muscle fatigue tolerance by resting-state EEG brain network \*. **2022**, 19, 046036 ○
- 663 Comparative Analysis of Brainwave Music Translated from Spontaneous EEG between Major Depression Disorders and Healthy People. 1-29
- 662 An exploratory study on functional connectivity after mild traumatic brain injury: Preserved global but altered local organization. ○
- 661 Brain Network Analysis: A Review on Multivariate Analytical Methods.
- 660 Human brain structural connectivity matrices ready for modelling. **2022**, 9,
- 659 Resting State Functional Connectivity Demonstrates Increased Segregation in Bilateral Temporal Lobe Epilepsy. ○
- 658 Epileptogenic zone localization based on partial directed coherence and graph analysis: a case study.
- 657 Classification of Human Chronotype Based on fMRI Network-Based Statistics.
- 656 Immediate effects of vagal nerve stimulation in drug-resistant epilepsy revealed by magnetoencephalographic recordings.
- 655 Differences in small-world networks between methamphetamine and heroin use disorder patients and their relationship with psychiatric symptoms.
- 654 In Alzheimer-prone brain regions, metabolism and risk-gene expression are strongly correlated. ○

- 653 Altered temporal-parietal morphological similarity networks in non-small cell lung cancer patients following chemotherapy: an MRI preliminary study.
- 652 Classification of drug-naive children with attention-deficit/hyperactivity disorder from typical development controls using resting-state fMRI and graph theoretical approach. 16,
- 651 Colloquium : Multiscale modeling of brain network organization. **2022**, 94, ○
- 650 Atypical Functional Network Properties and Associated Dimensions of Youth Psychopathology During Rest and Task Performance. **2022**,
- 649 Earlier Alzheimer's disease onset is associated with tau pathology in brain hub regions and facilitated tau spreading. **2022**, 13, ○
- 648 Complex networks, an innovative methodology for functional zoning in forest management. **2022**, 15, 299-306
- 647 Brain architecture-based vulnerability to traumatic injury. 10, ○
- 646 Highly scalable maximum likelihood and conjugate Bayesian inference for ERGMs on graph sets with equivalent vertices. **2022**, 17, e0273039 ○
- 645 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 644 Spontaneous Activity Predicts Survival of Developing Cortical Neurons. 10, ○
- 643 Functional neuroimaging in psychiatry and the case for failing better. **2022**, 110, 2524-2544 2
- 642 Intrinsic brain activity patterns across large-scale networks predict reciprocity propensity.
- 641 Low intensity repetitive transcranial magnetic stimulation modulates brain-wide functional connectivity to promote anti-correlated activity.
- 640 Functional Connectivity as an Index of Brain Changes Following a Unicycle Intervention: A Graph-Theoretical Network Analysis. **2022**, 12, 1092
- 639 Default mode network-associated intrinsic connectivity relates to individual learnability differences in errorless and trial-and-error learning. 1-9
- 638 The organization of individually mapped structural and functional semantic networks in aging adults. **2022**, 227, 2513-2527 ○
- 637 Impaired functional cortical networks in the theta frequency band of patients with post-traumatic stress disorder during auditory-cognitive processing. 13, ○
- 636 A Useful Criterion on Studying Consistent Estimation in Community Detection. **2022**, 24, 1098 2

- 635 Abnormal topological parameters in the default mode network in patients with impaired cognition undergoing maintenance hemodialysis. 13,
- 634 Long-term musical training induces white matter plasticity in emotion and language networks.
- 633 Connectivity impairment of cerebellar and sensorimotor connector hubs in Parkinson's disease. 0
- 632 The Effect of dry Needling in Chronic Stroke with a complex Network Approach: A Case Study. 155005942211201
- 631 Temporal-spatial dynamic functional connectivity analysis in schizophrenia classification. 16, 1
- 630 Vagal nerve stimulation cycles alter EEG connectivity in drug-resistant epileptic patients: A study with graph theory metrics. 2022, 142, 59-67 0
- 629 Decoupling between hub-connected functional connectivity of the social brain network and real-world social network in individuals with social anhedonia. 2022, 326, 111528 0
- 628 A dynamic gradient architecture generates brain activity states. 2022, 261, 119526 0
- 627 The association of white matter connectivity with prevalence, incidence and course of depressive symptoms: The Maastricht Study. 1-11 0
- 626 Relationship between neurochemical concentrations and neurofunctional measures in late-onset GM2 gangliosidosis. 0
- 625 Diffusion magnetic resonance imaging connectome features are predictive of functional lateralization of semantic processing in the anterior temporal lobes. 0
- 624 Global network alterations of the cognitive phenotypes in pediatric temporal lobe epilepsy. 2022, 135, 108891 0
- 623 Electroencephalographic hallmarks of Alzheimer's disease. 2022, 181, 85-94 0
- 622 Micapipe: A pipeline for multimodal neuroimaging and connectome analysis. 2022, 263, 119612 1
- 621 Comparative study of attention-related features on attention monitoring systems with a single EEG channel. 2022, 382, 109711 0
- 620 Subgrouping and structural brain connectivity of Parkinson's disease [past studies and future directions. 2022, 2, 100100 0
- 619 Prediction of brain age based on the community structure of functional networks. 2023, 79, 104151 0
- 618 A Dynamical Graph-Based Feature Extraction Approach to Enhance Mental Task Classification in Brain-Computer Interfaces. 0

- 617 Neural correlates of consciousness and complexity. **2022**, ○
- 616 Optimal Transport Based Ordinal Pattern Tree Kernel for Brain Disease Diagnosis. **2022**, 186-195 ○
- 615 Multimodal Emotion Classification Method and Analysis of Brain Functional Connectivity Networks. **2022**, 30, 2022-2031 ○
- 614 Time-sequential graph adversarial learning for brain modularity community detection. **2022**, 19, 13276-13293 ○
- 613 Electroencephalographic Network Topologies Predict Antidepressant Responses in Patients With Major Depressive Disorder. **2022**, 30, 2577-2588 ○
- 612 Neonatal frontal-limbic connectivity is associated with externalizing behaviours in toddlers with Congenital Heart Disease. **2022**, 36, 103153 ○
- 611 Rich-club reorganization and related network disruptions are associated with the symptoms and severity in classic trigeminal neuralgia patients. **2022**, 36, 103160 ○
- 610 Learning to Model the Relationship Between Brain Structural and Functional Connectomes. **2022**, 8, 830-843 ○
- 609 Involvement of cerebellar and subcortical connector hubs in schizophrenia. **2022**, 35, 103140 ○
- 608 Effective Connectivity Analysis and Classification of Action Observation From Different Perspectives: An fMRI Study. **2022**, 1-13 ○
- 607 Functional connectivity dynamics reflect disability and multi-domain clinical impairment in patients with relapsing-remitting multiple sclerosis. **2022**, 36, 103203 ○
- 606 Rhythmic Pattern of EEG for Identifying Schizophrenia. **2022**, 47-62 ○
- 605 DST (Dynamic Synchronization Toolbox): A MATLAB Implementation of the Dynamic Phase-Locking Pipeline from Stimulus Transformation into Motor Action: Dynamic Graph Analysis Reveals a Posterior-to-Anterior Shift in Brain Network Communication of Older Subjects. **2022**, 10, ○
- 604 Jointly Fusing Multi-scale Spatial-Logical Brain Networks: A Neural Decoding Method. **2022**, 1-13 ○
- 603 Diagnosis. **2022**, 453-637 ○
- 602 Accurately Modeling the Resting Brain Functional Correlations Using Wave Equation with Spatiotemporal Varying Hypergraph Laplacian. **2022**, 1-1 ○
- 601 Multiple Kernel Learning for Modeling Resting State EEG Connectomes using Structural Connectivity of the Brain. **2022**, ○
- 600 Sparsity Dependent Metrics Depict Alteration of Brain Network Connectivity in Parkinson's Disease. **2022**, ○

- 599 Betweenness Centrality in Resting-State Functional Networks Distinguishes Parkinson's Disease. **2022**, ○
- 598 Multiple GraphHeat Networks for Structural to Functional Brain Mapping. **2022**, ○
- 597 Abnormal degree centrality and functional connectivity in Down syndrome: A resting-state fMRI study. **2023**, 23, 100341 ○
- 596 Diagnostic of autism spectrum disorder based on structural brain MRI images using, grid search optimization, and convolutional neural networks. **2023**, 79, 104234 1
- 595 Effect of music stimuli on corticomuscular coupling and the brain functional connectivity network. **2023**, 79, 104264 ○
- 594 Characterizing the Dynamic Reorganization in Healthy Ageing and Classification of Brain Age. **2022**, ○
- 593 Dynamic Cox-Regression for Motif Prediction in Co-Evolving Time Series Data. **2022**, ○
- 592 Bursting hierarchy in an adaptive exponential integrate-and-fire network synchronization. ○
- 591 Effects of Long-Term Exposure to 2260 m Altitude on Working Memory and Resting-State Activity in the Prefrontal Cortex: A Large-Sample Cross-Sectional Study. **2022**, 12, 1148 ○
- 590 Locus Coeruleus firing patterns selectively modulate brain activity and dynamics. ○
- 589 Unwrapping aortic valve dysfunction through complex network analysis: A biophysics approach. **2022**, 132, 084904 ○
- 588 Subcortical-cortical dynamical states of the human brain and their breakdown in stroke. **2022**, 13, ○
- 587 Increased structural connectivity in high schizotypy. 1-45 ○
- 586 Graph Theoretical Approach to Brain Remodeling in Multiple Sclerosis. 1-28 ○
- 585 Level of Amyloid- $\beta$  Binding Leading to Differential Effects on Resting State Functional Connectivity in Major Brain Networks. **2022**, 10, 2321 ○
- 584 Brain structural connectome in neonates with prenatal opioid exposure. 16, ○
- 583 Object-Based Dynamics: Applying FormanRicci Flow on a Multigraph to Assess the Impact of an Object on The Network Structure. **2022**, 11, 486 ○
- 582 Analysis on topological alterations of functional brain networks after acute alcohol intake using resting-state functional magnetic resonance imaging and graph theory. 16, ○



- 581 Unified framework for brain connectivity-based biomarkers in neurodegenerative disorders. 16, ○
- 580 Dynamic reorganization of the cortico-basal ganglia-thalamo-cortical network during task learning. **2022**, 40, 111394 ○
- 579 Identifying Patients with Epilepsy Having Depression/Anxiety Disorder Using Common Spatial Patterns of Functional EEG Networks. ○
- 578 Network hub centrality and working memory performance in schizophrenia. **2022**, 8, ○
- 577 Repetitive mild traumatic brain injury impairs resting state fMRI connectivity and alters protein profile signaling networks. ○
- 576 A neural mechanism of cognitive reserve: The case of bilingualism. ○
- 575 An Evaluation Method of Road Link Functionality Using Individual Trajectory Data and Weighted Network Analysis. **2022**, 2022, 1-10 ○
- 574 The topology, stability, and instability of learning-induced brain network repertoires in schizophrenia. 1-56 ○
- 573 Maternal warmth is associated with network segregation across late childhood: A longitudinal neuroimaging study. 13, ○
- 572 Cortical connectivity gradients and local timescales during cognitive states are modulated by cognitive loads. ○
- 571 Characterization and Classification of ADHD Subtypes: An Approach Based on the Nodal Distribution of Eigenvector Centrality and Classification Tree Model. ○
- 570 Differences in functional network between focal onset nonconvulsive status epilepticus and toxic metabolic encephalopathy: application to machine learning models for differential diagnosis. ○
- 569 Aberrant dynamic minimal spanning tree parameters within default mode network in patients with autism spectrum disorder. 13, ○
- 568 Gyral and sulcal connectivity in the human cerebral cortex. ○
- 567 Brain-wide neuronal activation and functional connectivity are modulated by prior exposure to repetitive learning episodes. 16, ○
- 566 The processing network of high-frequency acoustoelectric signal in the living rat brain. **2022**, 19, 056013 ○
- 565 Functional Connectivity in the Mouse Brainstem Represents Signs of Recovery from Concussion. ○
- 564 Altered topological organization of resting-state functional networks in children with infantile spasms. 16, ○

- 563 Classification and prediction of cognitive performance differences in older age based on brain network patterns using a machine learning approach. 1-27 ○
- 562 Optimal flickering light stimulation for entraining gamma rhythms in older adults. **2022**, 12, ○
- 561 Graph theoretical measures of fast ripple networks improve the accuracy of post-operative seizure outcome prediction. ○
- 560 Temporal Stability of Dynamic Default Mode Network Connectivity Negatively Correlates with Suicidality in Major Depressive Disorder. **2022**, 12, 1263 1
- 559 Sensory processing sensitivity and axonal microarchitecture: identifying brain structural characteristics for behavior. ○
- 558 Peripheral CB1 receptor blockade acts as a memory enhancer through a noradrenergic mechanism. ○
- 557 Abnormal brain networks related to drug and non-drug reward anticipation and outcome processing in stimulant use disorder: A functional connectomics approach.. **2022**, ○
- 556 Accurate classification of pain experiences using wearable electroencephalography in adolescents with and without chronic musculoskeletal pain. 3, ○
- 555 Identifying mild traumatic brain injury using measures of frequency-specific networks. ○
- 554 Functional brain reconfiguration during sustained pain. 11, ○
- 553 Reduced segregation of brain networks in spatial neglect after stroke. ○
- 552 Early effect of thrombolysis on structural brain network organisation after anterior-circulation stroke in the randomized WAKE-UP trial. ○
- 551 A Novel Method Based on ERP and Brain Graph for the Simultaneous Assessment of Various Types of Attention. **2022**, 2022, 1-8 ○
- 550 Decoding Age-specific Changes in Brain Functional Connectivity Using a Sliding-window Based Clustering Method. ○
- 549 A partially nested cortical hierarchy of neural states underlies event segmentation in the human brain. 11, 1
- 548 The human posterior cingulate, retrosplenial, and medial parietal cortex effective connectome, and implications for memory and navigation. 1
- 547 Altered gray matter structural covariance networks in drug-naïve and treated early HIV-infected individuals. 13, ○
- 546 Rich dynamics and functional organization on topographically designed neuronal networks in vitro. ○

- 545 Global Alterations of Whole Brain Structural Connectome in Parkinson's Disease: A Meta-analysis. 1
- 544 Resolving inter-regional communication capacity in the human connectome. 0
- 543 Adaptation of Dynamics in Default Mode Network Depending on Mental States: the One-to-many dynamic functional connectivity analysis with fMRI. 0
- 542 Characterizing functional modules in the human thalamus: Coactivation-based parcellation and systems-level functional decoding. 0
- 541 The older adult brain is less modular, more integrated, and less efficient at rest: A systematic review of large-scale resting-state functional brain networks in aging. 1
- 540 The landscape of functional brain network impairments in late-onset GM2 gangliosidosis. 0
- 539 Resting-State fMRI Whole Brain Network Function Plasticity Analysis in Attention Deficit Hyperactivity Disorder. **2022**, 2022, 1-15 0
- 538 EEG-based functional connectivity for tactile roughness discrimination. 0
- 537 Independent Component and Graph Theory Analyses Reveal Normalized Brain Networks on Resting-State Functional MRI After Working Memory Training in People With HIV. 0
- 536 Brain mechanisms underlying the influence of emotions on spatial decision-making: An EEG study. 16, 0
- 535 Toward individualized medicine in stroke—the TiMeS project: Protocol of longitudinal, multi-modal, multi-domain study in stroke. 13, 0
- 534 The Impact of Information Flow by Co-Shareholder Relationships on the Stock Returns: A Network Feature Perspective. **2022**, 24, 1237 0
- 533 Exploring personalised structural connectomics for moderate-to-severe traumatic brain injury. 1-50 0
- 532 Transdiagnostic profiles of behaviour and communication relate to academic and socioemotional functioning and neural white matter organisation. 1
- 531 Functional network alterations in young brain tumor patients with radiotherapy-induced memory impairments and vascular injury. 13, 0
- 530 Encoding of social novelty by sparse GABAergic neural ensembles in the prelimbic cortex. **2022**, 8, 0
- 529 Genome-wide association study of the human brain functional connectome reveals strong vascular component underlying global network efficiency. **2022**, 12, 0
- 528 A Possible White Matter Compensating Mechanism in the Brain of Relatives of People Affected by Psychosis Inferred from Repeated Long-Term DTI Scans. 0

527	High-order functional redundancy in ageing explained via alterations in the connectome in a whole-brain model. <b>2022</b> , 18, e1010431	0
526	The backbone symptoms of depression: a network analysis after the initial wave of the COVID-19 pandemic in Macao. 10, e13840	0
525	Association between Long-Term Air Pollution, Chronic Traffic Noise, and Resting-State Functional Connectivity in the 1000BRAINS Study. <b>2022</b> , 130,	0
524	Brain network dynamics codify heterogeneity in seizure evolution. <b>2022</b> , 4,	0
523	Domain organisation emerges in cross-modal but not within-modal semantic feature integration. 1-21	0
522	Indirect structural disconnection-symptom mapping.	0
521	Mens Sana in Corpore Sano—The Emerging Link of Motor Reserve with Motor and Cognitive Abilities and Compensatory Brain Networks in SCA2 Patients. <b>2022</b> , 10, 2166	0
520	Brain functional connectivity analysis in patients with relapsing-remitting multiple sclerosis: A graph theory approach of EEG resting state. 16,	0
519	Associations of lifetime concussion history and repetitive head impact exposure with resting-state functional connectivity in former collegiate American football players: An NCAA 15-year follow-up study. <b>2022</b> , 17, e0273918	0
518	Early Childhood Development of Node Centrality in the White Matter Connectome and its Relationship to IQ at 6 years. <b>2022</b> ,	0
517	Primed to Perform: Dynamic white matter graph communicability may drive metastable network representations of enhanced preparatory cognitive control.	0
516	Functional whole-brain mechanisms underlying effects of tDCS on athletic performance of male rowing athletes revealed by resting-state fMRI. 13,	1
515	Cognitive theories of autism based on the interactions between brain functional networks. 16,	1
514	Structural connectome quantifies tumour invasion and predicts survival in glioblastoma patients.	2
513	Modelling brain dynamics by Boolean networks. <b>2022</b> , 12,	0
512	Disarrangement and reorganization of the hippocampal functional connectivity during the spatial path adjustment of pigeons. <b>2022</b> , 7,	0
511	Basal but not complex motor control relies on interhemispheric structural connectivity after stroke.	0
510	A thresholding method based on society modularity and role division for functional connectivity analysis. <b>2022</b> , 19, 056030	1

- 509 Neurodynamic correlates for the cross-frequency coupled transcranial alternating current stimulation during working memory performance. 16, 0
- 508 Analysis of EEG brain connectivity of children with ADHD using graph theory and directional information transfer. **2022**, 0
- 507 The age of reason: Functional brain network development during childhood. JN-RM-0511-22 1
- 506 Age-related reorganization of functional network architecture in semantic cognition. 0
- 505 Improving the level of autism discrimination with augmented data by GraphRNN. **2022**, 150, 106141 0
- 504 The direct and indirect effects of parenting behaviors and functional brain network efficiency on self-regulation from infancy to early childhood: A longitudinal mediation model. **2022**, 69, 101769 0
- 503 Intrinsic Brain Activity and Resting State Networks. **2022**, 1939-1990 0
- 502 Variations of Resting-State EEG-Based Functional Networks in Brain Maturation From Early Childhood to Adolescence. **2022**, 18, 581 0
- 501 Distributed State Estimation for Complex Networks with Periodic Inner Coupling and Mixed Sensors. **2022**, 0
- 500 Study on neural information decoding of ground and flight motion state of pigeons in free-moving in the field. **2022**, 0
- 499 Predicting the long-term after-effects of rTMS in autism spectrum disorder using temporal variability analysis of scalp EEG. **2022**, 19, 056044 0
- 498 Graph Theoretical Analysis of EEG Functional Connectivity Patterns and Fusion with Physiological Signals for Emotion Recognition. **2022**, 22, 8198 0
- 497 Evolutionary shaping of human brain dynamics. 11, 0
- 496 Cortical gradient of a human functional similarity network captured by the geometry of cytoarchitectonic organization. **2022**, 5, 0
- 495 Between-subject similarity of functional connectivity-based organization of the human periaqueductal gray related to autonomic processing. 16, 0
- 494 Reliable brain morphometry from contrast-enhanced T1w-MRI in patients with multiple sclerosis. 1
- 493 Brain connectivity changes associated with episodic recollection decline in aging: A review of fMRI studies. 14, 0
- 492 Impaired dynamic functional brain properties and their relationship to symptoms in never treated first-episode patients with schizophrenia. **2022**, 8, 0

491	Gradual cerebral hypoperfusion in a knock-in mouse model of Alzheimer's disease triggers cortical network dysfunctions.	0
490	Cortical networks underlying successful control of nociceptive processing using real-time fMRI. 3,	0
489	Resting state brain subnetwork relates to prosociality and compassion in adolescents. 13,	0
488	White matter structural and network topological changes in moyamoya disease with limb paresthesia: A study based on diffusion kurtosis imaging. 16,	0
487	Dysfunctional cortical gradient topography in treatment resistant major depression. <b>2022</b> ,	0
486	Structural covariance network of the hippocampus-amygdala complex in medication-naïve patients with first-episode major depressive disorder.	0
485	Parental religiosity is associated with changes in youth functional network organization and cognitive performance in early adolescence. <b>2022</b> , 12,	0
484	Classification of multiple sclerosis clinical profiles using machine learning and grey matter connectome. 9,	1
483	Brain Network Research of Skilled Shooters in the Shooting Preparation Stage under the Condition of Limited Sensory Function. <b>2022</b> , 12, 1373	0
482	A robust core architecture of functional brain networks supports topological resilience and cognitive performance in middle- and old-aged adults. <b>2022</b> , 119,	0
481	Aberrant resting-state functional connectivity and topological properties of the subcortical network in functional dyspepsia patients. 15,	0
480	Aberrant Topological Properties of Brain Functional Network in Children with Obstructive Sleep Apnea Derived from Resting-State fMRI.	0
479	Disrupted topological organization of resting-state functional brain networks in Parkinson's disease patients with glucocerebrosidase gene mutations.	0
478	EEG Connectivity Analysis in a Motor Imagery Task. <b>2023</b> , 332-341	0
477	EEG-Validated Photobiomodulation Treatment of Dementia Case Study. <b>2022</b> , 22, 7555	3
476	Impact of repetitive transcranial magnetic stimulation on the directed connectivity of autism EEG signals: a pilot study.	0
475	Graph Analysis of Functional Connectivity Rs-fMRI in Healthy and Epileptic Brain Using Visibility Algorithm. <b>2023</b> , 27-36	0
474	Graph Theory-Based Electroencephalographic Connectivity via Phase-Locking Value and Its Association with Ketogenic Diet Responsiveness in Patients with Focal Onset Seizures. <b>2022</b> , 14, 4457	0

473	Functional brain changes using electroencephalography after a 24-week multidomain intervention program to prevent dementia. 14,	0
472	Resting-state functional connectivity alteration in elderly patients with knee osteoarthritis and declined cognition: An observational study. 14,	0
471	Problematic smartphone use is associated with differences in static and dynamic brain functional connectivity in young adults. 16,	2
470	Improving automated diagnosis of epilepsy from EEGs beyond IEDs.	0
469	Cross-module switching diversity of brain network nodes in resting and cognitive states.	0
468	Multiclass characterization of frontotemporal dementia variants via multimodal brain network computational inference. 1-58	1
467	Functional Connectivity in Patients With Parkinson Disease and Freezing of Gait Using Resting-State EEG and Graph Theory. 154596832211292	0
466	Neuromodulation of brain topography and network topology by prefrontal transcranial photobiomodulation.	3
465	Altered neural mechanism of social reward anticipation in individuals with schizophrenia and social anhedonia.	0
464	Sex- and GABAergic-modulated neuronal subnetwork assemblies in the developing somatosensory cortex.	0
463	Association of Vascular Risk Factors and Genetic Factors With Penetrance of Variants Causing Monogenic Stroke.	0
462	The neuropeptidergic connectome of <i>C. elegans</i> .	0
461	Fixed/Predefined-time synchronization of memristor-based complex-valued BAM neural networks for image protection. 16,	0
460	Abnormal Properties of Cortical Functional Brain Network in Major Depressive Disorder: Graph Theory Analysis Based on EEG-Source Estimates. 2022,	0
459	Cortical response induced by task-oriented training of the upper limb in subacute stroke patients as assessed by functional near-infrared spectroscopy.	1
458	Assessment of EEG-based functional connectivity in response to haptic delay. 16,	0
457	Topology of pain networks in patients with temporomandibular disorder and pain-free controls with and without concurrent experimental pain: A pilot study. 3,	0
456	Odor Pleasantness Modulates Functional Connectivity in the Olfactory Hedonic Processing Network. 2022, 12, 1408	0

- 455 Efficiency of heterogenous functional connectomes explains variance in callous-unemotional traits after computational lesioning of cortical midline and salience regions. ○
- 454 Resting-state EEG dynamics help explain differences in response control in ADHD: Insight into electrophysiological mechanisms and sex differences. ○
- 453 Temporal Evolution of Multiday, Epileptic Functional Networks Prior to Seizure Occurrence. **2022**, 10, 2662 ○
- 452 Brain signatures of chronic gut inflammation. ○
- 451 Persistent Homology-based Functional Connectivity Explains Cognitive Ability: Life-span Study. ○
- 450 Reorganization of Brain Functional Network during Task Switching before and after Mental Fatigue. **2022**, 22, 8036 1
- 449 Individual electric field predicts functional connectivity changes after anodal transcranial direct-current stimulation in chronic stroke. **2022**, ○
- 448 Macroscopic Model of Hypogravity-Induced Primate Brain Activity via Identification and Analysis of a Neurovisuomotor Performance Pathway. ○
- 447 Network Report: A Structured Description for Network Datasets. **2022**, ○
- 446 Potential biomarkers for distinguishing primary from acquired premature ejaculation: A diffusion tensor imaging based network study. 16, ○
- 445 On maximization of the modularity index in network psychometrics. ○
- 444 Normative Sex Differences in Cognition and Morphometric Brain Connectivity: Evidence from 30,000+ UK Biobank Participants. ○
- 443 Wide-Field Calcium Imaging of Neuronal Network Dynamics In Vivo. **2022**, 11, 1601 ○
- 442 System-wide mapping of neuropeptide-GPCR interactions in *C. elegans*. ○
- 441 Evaluating the reliability, validity, and utility of overlapping networks: Implications for network theories of cognition. ○
- 440 Altered brain connectivity during visual stimulation in schizophrenia. ○
- 439 Low-Level Light Therapy Effect on Resting-State Connectivity in Patients Following Moderate Traumatic Brain Injury. ○
- 438 Combined brain network topological metrics with machine learning algorithms to identify essential tremor. 16, ○



437	Topological analysis of brain dynamics in autism based on graph and persistent homology. <b>2022</b> , 150, 106202	0
436	Maximizing brain networks engagement via individualized connectome-wide target search. <b>2022</b> , 15, 1418-1431	0
435	Quantitative pretreatment EEG predicts efficacy of ACTH therapy in infantile epileptic spasms syndrome. <b>2022</b> , 144, 83-90	0
434	Reorganization of the functional connectome from rest to a visual perception task in schizophrenia and bipolar disorder. <b>2022</b> , 327, 111556	0
433	An approach to extracting graph kernel features from functional brain networks and its applications to the analysis of the noisy EEG signals. <b>2023</b> , 80, 104269	0
432	A New Framework for the Time- and Frequency-Domain Assessment of High-Order Interactions in Networks of Random Processes. <b>2022</b> , 1-12	3
431	Recovery of brain network integration and segregation during the loss and recovery of consciousness induced by sevoflurane. <b>2022</b> , 1-1	0
430	Hypergraph representation of multimodal brain networks for patients with end-stage renal disease associated with mild cognitive impairment. <b>2023</b> , 20, 1882-1902	0
429	The pyramid representation of the functional network using resting-state fMRI. <b>2022</b> , 2, 99-111	0
428	Functional gradients reveal altered functional segregation in patients with amnesic mild cognitive impairment and Alzheimer' s disease.	0
427	Disease specific and nonspecific metabolic brain networks in behavioral variant of frontotemporal dementia.	0
426	Assessing the Repeatability of Multi-Frequency Multi-Layer Brain Network Topologies Across Alternative Researcher' Choice Paths.	0
425	Brief intensive social gaze training reorganizes functional brain connectivity in boys with fragile X syndrome.	0
424	Using in vivo functional and structural connectivity to predict chronic stroke aphasia deficits.	0
423	Evaluation of the flow information using WHVG-TE, in epilepsy.	0
422	Different Dynamic Nodal Properties Contribute to Cognitive Impairment in Patients with White Matter Hyperintensities. <b>2022</b> , 12, 1527	0
421	Reduced structural connectivity of the medial temporal lobe including the perforant path is associated with aging and verbal memory impairment. <b>2022</b> ,	0
420	A connectomics-based taxonomy of mammals. 11,	1

419	Greater functional connectivity between the ventral frontal cortex and occipital cortex in herpes zoster patients than postherpetic neuralgia patients.	0
418	Frites: A Python package for functional connectivity analysis and group-level statistics of neurophysiological data. <b>2022</b> , 7, 3842	0
417	Differential alterations in topology property of resting state networks associated with mental health and childhood trauma.	0
416	Vulnerability of the Neonatal Connectome following Postnatal Stress. JN-RM-0176-22	0
415	A Novel Method for Efficient Estimation of Brain Effective Connectivity in EEG. <b>2022</b> , 107242	0
414	Altered Resting-State Functional Connectivity in the Anterior Versus Posterior Hippocampus in Post-traumatic Stress Disorder: The Central Role of the Anterior Hippocampus.	0
413	Resting-state functional MRI in multicenter studies on multiple sclerosis: a report on raw data quality and functional connectivity features from the Italian Neuroimaging Network Initiative.	0
412	Amyloid-associated increases in soluble tau relate to tau aggregation rates and cognitive decline in early Alzheimer's disease. <b>2022</b> , 13,	2
411	VR-based real-time imaging reveals abnormal cortical dynamics during behavioral transitions in a mouse model of autism.	1
410	Test-Retest Reliability of Dynamic Functional Connectivity Parameters for a Two-State Model.	0
409	Topological changes of fast large-scale brain dynamics in Mild Cognitive Impairment predict the decay of the hippocampal memory.	0
408	Superior temporal gyrus and cerebellar loops predict nonsuicidal self-injury in major depressive disorder patients by multimodal neuroimaging. <b>2022</b> , 12,	0
407	Structural network alterations in patients with nasopharyngeal carcinoma after radiotherapy: A 1-year longitudinal study. 16,	0
406	Abnormal resting-state functional connectome in methamphetamine-dependent patients and its application in machine-learning-based classification. 16,	0
405	Analysis of turkey's airport network structure and centrality in the opening-out period after the first wave of COVID-19: A complex network approach. <b>2022</b> ,	0
404	Interpersonal alignment of neural evidence accumulation to social exchange of confidence.	0
403	Tackling the subsampling problem to infer collective properties from limited data.	1
402	Dissociation of categorical and coordinate spatial relations on dynamic network organization states. 16,	0

- 401 Auditory-micocerebellum interactions and cognitive impairments in noise-induced hearing loss. ○
- 400 Redescription mining on data with background network information. **2022**, 110109 ○
- 399 Diagnosis of Epilepsy with Functional Connectivity in EEG after a Suspected First Seizure. **2022**, 9, 690 ○
- 398 Predicting overall survival in diffuse glioma from the presurgical connectome. **2022**, 12, 1 ○
- 397 Decreased integration of default-mode network during a working memory task in schizophrenia with severe attention deficits. 16, ○
- 396 Localizing epileptogenic network from SEEG using non-linear correlation, mutual information and graph theory analysis. 095441192211349 ○
- 395 The thresholding problem and variability in the EEG graph network parameters. **2022**, 12, ○
- 394 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 393 Altered structural connectome of children with Auditory Processing Disorder: A diffusion MRI study. ○
- 392 Functional network properties derived from wide-field calcium imaging differ with wakefulness and across cell type. **2022**, 264, 119735 ○
- 391 Features of the resting-state functional brain network of children with autism spectrum disorder: EEG source-level analysis. ○
- 390 Selective effects of acute and chronic stress on slow and alpha-theta cortical functional connectivity and reversal with subanesthetic ketamine. ○
- 389 Unified epigenomic, transcriptomic, proteomic, and metabolomic taxonomy of Alzheimer's disease progression and heterogeneity. **2022**, 8, ○
- 388 Development of visual cortex in human neonates is selectively modified by postnatal experience. 11, ○
- 387 Altered spreading of neuronal avalanches in temporal lobe epilepsy relates to cognitive performance: a resting-state hdEEG study. ○
- 386 Spatially-embedded recurrent neural networks reveal widespread links between structural and functional neuroscience findings. ○
- 385 Clinical factors associated with microstructural connectome related brain dysmaturation in term neonates with congenital heart disease. 16, ○
- 384 Network plasticity in the honey bee antennal lobe during odor presentation. ○

- 383 Topological network properties of resting-state functional connectivity patterns are associated with metal mixture exposure in adolescents. ○
- 382 Novel Approach to Transfer of Coordination Skills to the Paretic Hand by Improving the Efficiency of Cortical Network. **2022**, 1-1 ○
- 381 Brain Functional Networks with Dynamic Hypergraph Manifold Regularization for Classification of End-Stage Renal Disease Associated with Mild Cognitive Impairment. **2023**, 135, 2243-2266 ○
- 380 Whole-brain modeling explains the context-dependent effects of cholinergic neuromodulation. **2023**, 265, 119782 ○
- 379 Wide-field calcium imaging reveals widespread changes in cortical functional connectivity following mild traumatic brain injury in the mouse. **2023**, 176, 105943 ○
- 378 Amplitudes of resting-state functional networks – Investigation into their correlates and biophysical properties. **2023**, 265, 119779 ○
- 377 Disrupted intrinsic functional brain network in patients with late-life depression: Evidence from a multi-site dataset. **2023**, 323, 631-639 1
- 376 Constructing a resilient ecological network by considering source stability in the largest Chinese urban agglomeration. **2023**, 328, 116989 ○
- 375 Unsupervised cross-domain functional MRI adaptation for automated major depressive disorder identification. **2023**, 84, 102707 ○
- 374 OCD diagnosis via smooth sparse network and fused sparse auto-encoder learning. **2023**, 216, 119389 ○
- 373 RF-Isolation: A Novel Representation of Structural Connectivity Networks for Multiple Sclerosis Classification. **2022**, 158-169 ○
- 372 Learning Similarity-Preserving Representations of Brain Structure-Function Coupling. **2022**, ○
- 371 Hypergraph Laplacian Diffusion Model for Predicting Resting Brain Functional Connectivity from Structural Connectivity. **2022**, ○
- 370 Historical growth of concept networks in Wikipedia. **2022**, 1, 263391372211098 3
- 369 Exploring the longitudinal associations of functional network connectivity and psychiatric symptom changes in youth. ○
- 368 Brain-clinical signatures for vagus nerve stimulation response. ○
- 367 Cognitive control training enhances the integration of intrinsic functional networks in adolescents. 16, ○
- 366 Brain Imaging Methods in Social and Affective Neuroscience: A Machine Learning Perspective. **2023**, 213-230 ○

365	The impact of genetic risk for Alzheimer’s disease on the structural brain networks of young adults. 16,	0
364	Reasoning support for predicting requirement change volatility using complex network metrics. <b>2022</b> , 33, 811-837	1
363	STN-DBS Induces Acute Changes in Band Cortical Functional Connectivity in Patients with Parkinson’s Disease. <b>2022</b> , 12, 1606	0
362	Functional reconfiguration of task-active frontoparietal control network facilitates abstract reasoning.	0
361	Evaluating instrumental learning and striatal cortical functional connectivity in adolescent alcohol and cannabis use. <b>2023</b> , 28,	0
360	Low intensity repetitive transcranial magnetic stimulation modulates brain-wide functional connectivity to promote anti-correlated c-Fos expression. <b>2022</b> , 12,	0
359	Aiding Alzheimer’s Disease Diagnosis Using Graph Convolutional Networks Based on rs-fMRI Data. <b>2022</b> ,	0
358	Large-scale signal and noise correlations configure multi-task coding in human brain networks.	0
357	Disrupted topological organization of the motor execution network in Wilson’s disease. 13,	0
356	Plasticity impairment alters community structure but permits successful pattern separation in a hippocampal network model. 16,	0
355	Abnormal cortical thickness and structural covariance networks in systemic lupus erythematosus patients without major neuropsychiatric manifestations. <b>2022</b> , 24,	1
354	Prognostic Role of Hemispherical Functional Connectivity in Stroke: A Study via Graph Theory Versus Coherence of Electroencephalography Rhythms.	1
353	Structure-Function Dynamics of Engineered, Modular Neuronal Networks with Controllable Afferent-Efferent Connectivity.	0
352	Construction and analysis of functional brain network based on emotional electroencephalogram.	0
351	Levodopa responsiveness and white matter alterations in Parkinson’s disease: A DTI-based study and brain network analysis: A cross-sectional study. <b>2022</b> , 12,	0
350	Changes in functional connectivity in newly diagnosed self-limited epilepsy with centrotemporal spikes and cognitive impairment: An MEG study. <b>2022</b> , 12,	0
349	Evaluating the Alterations Induced by Virtual Reality in Cerebral Small-World Networks Using Graph Theory Analysis with Electroencephalography. <b>2022</b> , 12, 1630	0
348	Effects of brain network segregation and integration on motor imagery sensorimotor rhythm. <b>2023</b> , 2, 5-22	0

- 347 Spatiotemporally heterogeneous coordination of cholinergic and neocortical activity. **2022**, 25, 1706-1713 1
- 346 Graph theoretical analysis reveals the functional role of the left ventral occipito-temporal cortex in speech processing. **2022**, 12, 0
- 345 Altered development of structural MRI connectome hubs at near-term age in very and moderately preterm infants. 0
- 344 Modeling Brain Functional Connectivity Patterns during an Isometric Arm Force Exertion Task at Different Levels of Perceived Exertion: A Graph Theoretical Approach. **2022**, 12, 1575 0
- 343 Dose-related Adaptive Reconstruction of DMN in isoflurane Administration: a Study in the Rat. 0
- 342 The dynamic functional connectivity fingerprint of high-grade gliomas. 0
- 341 Modular architecture and resilience of structural covariance networks in first-episode antipsychotic-naïve psychoses. 0
- 340 Associations between disrupted functional brain network topology and cognitive impairment in patients with rectal cancer during chemotherapy. 12, 0
- 339 EEG Network Analysis in Epilepsy with Generalized Tonic-Clonic Seizures Alone. **2022**, 12, 1574 0
- 338 Differences in brain functional networks for audiovisual integration during reading between children and adults. 0
- 337 TRIAC Treatment Improves Impaired Brain Network Function and White Matter Loss in Thyroid Hormone Transporter Mct8/Oatp1c1 Deficient Mice. **2022**, 23, 15547 0
- 336 Developmental dyslexia, developmental coordination disorder and comorbidity discrimination using multimodal structural and functional neuroimaging. **2022**, 0
- 335 Effective Connectivity in a Duration Selective Cortico-Cerebellar Network. 0
- 334 Investigation of linear and non-linear functional connectivity within resting-state networks using graph theory in Parkinson's disease. 0
- 333 Analysis of structural network topology alterations in autism and its relationship with autism severity. 0
- 332 Topological Structural Brain Connectivity Alterations in Aspartylglucosaminuria: A Case-Control Study. 0
- 331 Behavioural and neural structure of fluent speech production deficits in aphasia. 0
- 330 Structural brain network lateralization across childhood and adolescence. 0

- 329 Structural covariance network of the hippocampus-amygdala complex in medication-naïve patients with first-episode major depressive disorder. **2022**, 2, 190-198 ○
- 328 Alterations in Social Brain Network Topology at Rest in Children With Autism Spectrum Disorder. **2022**, 19, 1055-1068 ○
- 327 Application of machine learning and complex network measures to an EEG dataset from ayahuasca experiments. **2022**, 17, e0277257 ○
- 326 Scale-Free Functional Brain Networks Exhibit Increased Connectivity, Are More Integrated and Less Segregated in Patients with Parkinson Disease following Dopaminergic Treatment. **2022**, 6, 737 ○
- 325 Altered Brain Connectivity in Hyperkinetic Movement Disorders: a Review of Resting-State fMRI. **2022**, 103302 ○
- 324 Effect of Electrical Muscle Stimulation and Resistance Exercise Intervention on Physical and Brain Function in Middle-Aged and Older Women. **2023**, 20, 101 ○
- 323 Anhedonia and dysregulation of an angular gyrus-centred and dynamic functional network in adolescent-onset depression. **2022**, ○
- 322 Elevated integration within the reward network underlies vulnerability to distress. ○
- 321 Chronic Mild Traumatic Brain Injury: Aberrant Static and Dynamic Connectomic Features Identified Through Machine Learning Model Fusion. ○
- 320 Flexibility of in vitro cortical circuits influences resilience from microtrauma. 16, ○
- 319 Network Centrality and Modularity of Structural Covariance Networks in Posttraumatic Stress Disorder: A Multisite ENIGMA-PGC Study. ○
- 318 Altered brain white matter structural motor network in spinocerebellar ataxia type 3. 1
- 317 Rich dynamics and functional organization on topographically designed neuronal networks in vitro. **2022**, 25, 105680 ○
- 316 Sampling statistics are like story creation: a network analysis of parent-toddler exploratory play. **2023**, 378, 1
- 315 Longitudinal changes in functional connectivity and pain-induced brain activations in patients with migraine: a functional MRI study pre- and post- treatment with Erenumab. **2022**, 23, 1
- 314 Emotional states as distinct configurations of functional brain networks. ○
- 313 Spatially heterogeneous structure-function coupling in haemodynamic and electromagnetic brain networks. ○
- 312 Dynamic and Functional Alterations of Neuronal Networks In Vitro upon Physical Damage: A Proof of Concept. **2022**, 13, 2259 ○

- 311 Integration of structural brain networks is related to openness to experience: A diffusion MRI study with CSD-based tractography. 16, ○
- 310 Long-term calcium imaging reveals functional development in hiPSC-derived cultures comparable to human but not rat primary cultures. **2022**, ○
- 309 Low-dissipation optimization of the prefrontal cortex in the 12° head-down tilt position: A functional near-infrared spectroscopy study. 13, ○
- 308 Crochet is a little hook to improve attention? ○
- 307 Persistent Frustration-Induced Reconfigurations of Brain Networks Predict Individual Differences in Irritability. **2022**, ○
- 306 Dimensionality reduction and recurrence analysis reveal hidden structures of striatal pathological states. 16, ○
- 305 Extra-Basal Ganglia Brain Structures Are Related to Motor Reserve in Parkinson's Disease. **2022**, 1-10 ○
- 304 Leveraging the resting brain to predict memory decline after temporal lobectomy. ○
- 303 Interaction Between Memory Load and Experimental Design on Brain Connectivity and Network Topology. ○
- 302 Characterizing functional modules in the human thalamus: coactivation-based parcellation and systems-level functional decoding. ○
- 301 The free energy principle induces neuromorphic development. **2022**, 2, 042002 ○
- 300 Vigilance associates with the low-dimensional structure of fMRI data. **2022**, 119818 ○
- 299 DomainATM: Domain Adaptation Toolbox for Medical Data Analysis. **2023**, 119863 ○
- 298 fNIRS-based Functional Connectivity Signifies Recovery in Patients with Disorders of Consciousness After DBS Treatment. **2023**, ○
- 297 The generalization of behavioral control over physical threats to social stressors in humans: a pilot fMRI study. **2023**, 111598 ○
- 296 Decreased default mode network functional connectivity with visual processing regions as potential biomarkers for delayed neurocognitive recovery: A resting-state fMRI study and machine-learning analysis. 14, ○
- 295 Graph theoretical measures of fast ripple networks improve the accuracy of post-operative seizure outcome prediction. **2023**, 13, ○
- 294 Differentiation Between Normal and Abnormal Functional Brain Connectivity Using Non-directed Model-Based Approach. **2022**, 89-102 ○



- 293 White-matter degradation and dynamical compensation support age-related functional alterations in human brain. ○
- 292 Machine learning with neuroimaging biomarkers: Application in the diagnosis and prediction of drug addiction. **2023**, 28, ○
- 291 White matter network organization predicts memory decline after epilepsy surgery. ○
- 290 Controls on Flood Trends Across the United States. ○
- 289 Whole-brain functional gradients reveal cortical and subcortical alterations in patients with episodic migraine. ○
- 288 Lower masticatory function relates to cognitive health and intrinsic brain network in older adults. ○
- 287 Analysis of functional connectivity in depression based on a weighted hyper-network method. ○
- 286 Altered resting-state network connectivity patterns for predicting attentional function in deaf individuals: An EEG study. **2023**, 108696 ○
- 285 Complex Network Properties Analysis of Muscle Fatigue Based on sEMG Signals. **2023**, 1-1 ○
- 284 Changes in resting state networks in high school football athletes across a single season. ○
- 283 Psychological and neurological predictors of acupuncture effect in chronic pain patients: a randomized controlled neuroimaging trial. **2023**, Publish Ahead of Print, ○
- 282 Hodge Laplacian of Brain Networks. **2023**, 1-1 ○
- 281 Machine Learning for Brain Imaging Genomics Methods: A Review. **2023**, 20, 57-78 ○
- 280 Assessing Functional Brain Network Dynamics in Dyslexia From fNIRS Data. ○
- 279 Laminar dynamics of deep projection neurons and mode of subplate formation are hallmarks of histogenetic subdivisions of the human cingulate cortex before onset of arealization. ○
- 278 The Mode of Endurance Exercise Influences Changes in EEG Resting State Graphs among High-Level Cross-Country Skiers. Publish Ahead of Print, ○
- 277 Sensorimotor recalibration of postural control strategies occurs after whole body vibration. **2023**, 13, ○
- 276 Exploring high-density corticomuscular networks after stroke to enable a hybrid Brain-Computer Interface for hand motor rehabilitation. **2023**, 20, ○

- 275 Neurological soft signs and structural network changes: a longitudinal analysis in first-episode schizophrenia. **2023**, 23, ○
- 274 The foundation and architecture of precision medicine in neurology and psychiatry. **2023**, ○
- 273 Asymptomatic carotid stenosis is associated with both edge and network reconfigurations identified by single-subject cortical thickness networks. 14, ○
- 272 Effects of MAPT rs17649553 on Structural Network Integrity and Verbal Memory in Parkinson's Disease. ○
- 271 Quick balance skill improvement after short-term training with error amplification feedback for older adults. **2023**, 8, ○
- 270 Increased functional connectivity patterns in mild Alzheimer's disease: A rsfMRI study. 14, ○
- 269 Dynamic characterization of functional brain connectivity network for mental workload condition using an effective network identifier. ○
- 268 Graph Approaches for Analysis of brain connectivity during Dexmedetomidine sedation. **2023**, 137060 ○
- 267 Connectome topology of mammalian brains and its relationship to taxonomy and phylogeny. 16, ○
- 266 Evaluating test-retest reliability and sex-/age-related effects on temporal clustering coefficient of dynamic functional brain networks. 1
- 265 Brain and Behavior in Engineering Design: An Exploratory Study on Using Concept Mapping. **2023**, 199-214 ○
- 264 Reticula: A temporal network and hypergraph analysis software package. **2023**, 21, 101301 ○
- 263 Reduced neural functional connectivity during working memory performance in methamphetamine use disorder. **2023**, 243, 109764 ○
- 262 A dynamical graph-based feature extraction approach to enhance mental task classification in brain-computer interfaces. **2023**, 153, 106498 ○
- 261 Threshold cascade dynamics on signed random networks. **2023**, 168, 113118 ○
- 260 Representing melodic relationships using network science. **2023**, 233, 105362 ○
- 259 Frequency-Dependent Functional Connectivity of Brain Networks at Resting-State. **2022**, ○
- 258 A new framework for metabolic connectivity mapping using bolus [<sup>18</sup>F]FDG PET and kinetic modelling. ○

- 257 Human motor sequence learning drives transient changes in network topology and hippocampal connectivity early during memory consolidation. ○
- 256 Network Neuroscience Untethered: Brain-Wide Immediate Early Gene Expression for the Analysis of Functional Connectivity in Freely Behaving Animals. **2023**, 12, 34 ○
- 255 Disrupted topological organization of functional brain networks in traumatic axonal injury. ○
- 254 Consistency of Graph Theoretical Measurements of Alzheimer's Disease Fiber Density Connectomes Across Multiple Parcellation Scales. **2022**, ○
- 253 Clique Network-Based Statistics for Detecting Altered Topological Structures in the Brain Network. **2022**, ○
- 252 The multi-modality neuroimaging analysis identified an essential genetic variant associated with Parkinson's disease. ○
- 251 EEG emotion recognition based on PLV-rich-club dynamic brain function network. ○
- 250 Comparative Analysis of Functional Connectivity Metrics in EEG Datasets. **2022**, ○
- 249 Hemodynamic Analysis for Assessment of Scientific Creative Potential of Subjects Using Capsule Graph Neural Network. **2022**, ○
- 248 Nutritional supplement induced modulations in the functional connectivity of a porcine brain. 1-12 ○
- 247 Structural brain signatures of frailty, defined as accumulation of self-reported health deficits in older adults. 15, ○
- 246 Functional connectome automatically differentiates multiple system atrophy (parkinsonian type) from idiopathic Parkinson's disease at early stages. ○
- 245 Prenatal depressive symptoms and childhood development of brain limbic and default mode network structure. ○
- 244 Nanomaterial-based microelectrode arrays for in vitro bidirectional brain-computer interfaces: a review. **2023**, 9, 1
- 243 Operator State in a Workplace Simulation Modulates Eye-Blink Related EEG Activity. **2023**, 31, 1167-1179 ○
- 242 Does combined training of biofeedback and neurofeedback affect smoking status, behavior, and longitudinal brain plasticity?. 17, ○
- 241 Assessment of Brainstem Functional Organization in Healthy Adults and Overactive Bladder Patients Using Ultra-High Field fMRI. **2023**, 11, 403 ○
- 240 Graph theoretical brain connectivity measures to investigate neural correlates of music rhythms associated with fear and anger. ○

- 239 Altered task induced functional brain networks and small-world properties in autism. 13, 0
- 238 Functional brain connectivity after corrective cardiac surgery for critical congenital heart disease: a preliminary near-infrared spectroscopy (NIRS) report. 1-21 0
- 237 Graph analysis of diffusion tensor imaging-based connectome in young men with internet gaming disorder. 16, 0
- 236 Cognitive State Analysis, Understanding, and Decoding from the Perspective of Brain Connectivity. **2023**, 2733-2767 0
- 235 Altered default mode network causal connectivity patterns in autism spectrum disorder revealed by Liang information flow analysis. 0
- 234 Linear versus Nonlinear Muscle Networks: A Case Study to Decode Hidden Synergistic Patterns During Dynamic Lower-limb Tasks. 0
- 233 Altered white matter connectivity in children with congenital heart disease with single ventricle physiology. **2023**, 13, 0
- 232 Aging and Alzheimer's Disease Have Dissociable Effects on Medial Temporal Lobe Connectivity. 0
- 231 In vivo characterization of magnetic resonance imaging-based T1w/T2w ratios reveals myelin-related changes in temporal lobe epilepsy. 0
- 230 Global Functional Connectivity at Rest Is Associated with Attention: An Arterial Spin Labeling Study. **2023**, 13, 228 0
- 229 Microstates of Dynamic Directed Connectivity Networks Reveal Visual Color Influences on the Brain Information Processing during Learning. **2023**, 1-1 0
- 228 Alpha-synuclein oligomers alter the spontaneous firing discharge of cultured midbrain neurons. 17, 2
- 227 DISCOVER-EEG: an open, fully automated EEG pipeline for biomarker discovery in clinical neuroscience. 0
- 226 Altered structural-functional coupling in Parkinson's disease. 0
- 225 Aberrant dynamic Functional-Structural connectivity coupling of Large-scale brain networks in poststroke motor dysfunction. **2023**, 37, 103332 0
- 224 Earthquake network construction models: from Abe-Suzuki to a multiplex approach. 0
- 223 Statistical power in network neuroscience. **2023**, 1 1
- 222 Surface electromyography-based analysis of the lower limb muscle network and muscle synergies at various gait speeds. **2023**, 1-1 0

221	Distributed harmonic patterns of structure-function dependence orchestrate human consciousness. <b>2023</b> , 6,	1
220	Application of the Model of Spots for Inverse Problems. <b>2023</b> , 23, 1247	0
219	Cognitive Reorganization Due to Mental Workload: A Functional Connectivity Analysis Based on Working Memory Paradigms. <b>2023</b> , 13, 2129	0
218	Directed brain network analysis in anxious and non-anxious depression based on EEG source reconstruction and graph theory. <b>2023</b> , 83, 104666	0
217	Estimating Outlier-Immunized Common Harmonic Waves for Brain Network Analyses on the Stiefel Manifold. <b>2023</b> , 1-12	0
216	Exploring the longitudinal associations of functional network connectivity and psychiatric symptom changes in youth. <b>2023</b> , 38, 103382	0
215	An investigation of the association between focal damage and global network properties in cognitively impaired and cognitively preserved patients with multiple sclerosis. 17,	0
214	Characterizing Streamline Count Invariant Graph Measures of Structural Connectomes.	0
213	Individualized network analysis: A novel approach to investigate tau PET using graph theory in the Alzheimer's disease continuum. 17,	0
212	Exploring the Interplay between BOLD Signal Variability, Complexity, and Static and Dynamic Functional Brain Network Features during Movie Viewing.	0
211	Seizure forecasting: Where do we stand?.	0
210	Environmental effects on brain functional networks in a juvenile twin population. <b>2023</b> , 13,	0
209	Differential Impact of Brain Network Efficiency on Poststroke Motor and Attentional Deficits. <b>2023</b> , 54, 955-963	0
208	Resting-state functional MRI in treatment-resistant schizophrenia. 2,	0
207	Age related changes and sex related differences of functional brain networks in childhood: A high-density EEG study. <b>2023</b> ,	0
206	Structural architecture and brain network efficiency link polygenic scores to intelligence.	0
205	The Value of Various Post-Processing Modalities of Diffusion Weighted Imaging in the Detection of Multiple Sclerosis. <b>2023</b> , 13, 622	0
204	Epileptic prediction using spatiotemporal information combined with optimal features strategy on EEG. 17,	0

- 203 Repetitive transcranial magnetic stimulation modulates long-range functional connectivity in autism spectrum disorder. **2023**, 160, 187-194 ○
- 202 Modules in connectomes of phase-synchronization comprise anatomically contiguous, functionally related regions. **2023**, 272, 120036 ○
- 201 Eight-week antidepressant treatment changes intrinsic functional brain topology in first-episode drug-naïve patients with major depressive disorder. **2023**, 329, 225-234 ○
- 200 Conscientiousness associated with efficiency of the salience/ventral attention network: Replication in three samples using individualized parcellation. **2023**, 272, 120081 ○
- 199 Using network science to analyze tennis stroke patterns. **2023**, 170, 113305 ○
- 198 A revisit of the amygdala theory of autism: Twenty years after. **2023**, 183, 108519 ○
- 197 Brain network properties of clinical versus subclinical seizures among critically ill children. **2023**, 149, 33-41 ○
- 196 Signal propagation in complex networks. **2023**, 1017, 1-96 ○
- 195 Rich-club connectivity and structural connectome organization in youth at clinical high-risk for psychosis and individuals with early illness schizophrenia. **2023**, 255, 110-121 ○
- 194 GABAA receptor subunit modulation reversed electrophysiological network alterations after blast exposure in rat organotypic hippocampal slice cultures. **2023**, 364, 114388 ○
- 193 Effect of High-Frequency rTMS combined with bilateral arm training on brain functional network in patients with chronic stroke: An fNIRS study. **2023**, 1809, 148357 ○
- 192 Resting-state fMRI functional connectivity and clinical correlates in Afro-descendants with schizophrenia and bipolar disorder. **2023**, 331, 111628 ○
- 191 Trait absorption is not reliably associated with brain structure or resting-state functional connectivity. **2023**, 3, 100171 ○
- 190 Epileptic-network-based prediction and control of seizures in humans. **2023**, 181, 106098 ○
- 189 Reliable evaluation of functional connectivity and graph theory measures in source-level EEG: How many electrodes are enough?. **2023**, 150, 1-16 ○
- 188 Classification of Pretrial vs. Encoding stage for Working Memory Task among Subjects with pFC Lesions and Healthy Controls using Directed Information. **2022**, ○
- 187 Excess BMI in early adolescence adversely impacts maturing functional circuits supporting high-level cognition and their structural correlates. ○
- 186 Dynamic flexibility and controllability of network communities in juvenile myoclonic epilepsy. **2023**, 179, 106055 ○

- 185 The whole-brain connectome landscape in patients with schizophrenia: A systematic review and meta-analysis of graph theoretical characteristics. **2023**, 148, 105144 ○
- 184 Structural and functional connectivity reconstruction with CATO - A Connectivity Analysis TOolbox. **2023**, 273, 120108 ○
- 183 Brain Functional Network Topology in Autism Spectrum Disorder: A Novel Weighted Hierarchical Complexity Metric for Electroencephalogram. **2022**, 1-8 ○
- 182 Functional integrity of visual coding following advanced photoreceptor degeneration. **2023**, 33, 474-486.e5 ○
- 181 Global brain c-Fos profiling reveals major functional brain networks rearrangements after alcohol reexposure. **2023**, 178, 106006 ○
- 180 Do we really measure what we think we are measuring?. **2023**, 26, 106017 ○
- 179 Functional brain network properties of healthy full-term newborns quantified by scalp and source-reconstructed EEG. **2023**, 147, 72-80 ○
- 178 Altered white matter functional network in nicotine addiction. **2023**, 321, 115073 ○
- 177 The combination of hyperventilation test and graph theory parameters to characterize EEG changes in mild cognitive impairment (MCI) condition. ○
- 176 BraceNet: Graph-Embedded Neural Network For Brain Network Analysis. **2022**, ○
- 175 Patients with Alzheimer's disease dementia show partially preserved parietal hubs modeled from resting-state alpha electroencephalographic rhythms. 15, ○
- 174 Abnormal dynamics of brain functional networks in children with Tourette syndrome. **2023**, 159, 249-257 ○
- 173 Efficacy and safety of oxiracetam in patients with vascular cognitive impairment: A multicenter, randomized, double-blinded, placebo-controlled, phase IV clinical trial. **2023**, 126, 107108 ○
- 172 Single trial variability in neural activity during a working memory task reveals multiple distinct information processing sequences. **2023**, 269, 119895 ○
- 171 Decoding the Creative Ability of Subjects from Aesthetic Quality Assessment Using Dual Convolution Induced Capsule Network. **2022**, ○
- 170 Sex differences in grey matter networks in dementia with Lewy bodies. ○
- 169 Reorganization of brain networks in patients with temporal lobe epilepsy and comorbid headache. **2023**, 140, 109101 ○
- 168 A spatiotemporal complexity architecture of human brain activity. **2023**, 9, ○

- 167 Effects of inhaled cannabis high in  $\Delta$ -THC or CBD on the aging brain: A translational MRI and behavioral study. 15, ○
- 166 Tinnitus and distress: an electroencephalography classification study. 2022, 5, ○
- 165 Economic network dynamics: a structural analysis of the international connectivity of Chinese manufacturing firms. ○
- 164 Age-related differences in resting-state functional connectivity from childhood to adolescence. ○
- 163 Effects of Photobiomodulation therapy on relieving peripheral and central fatigue in the grip exercise. 2022, ○
- 162 Capturing the Abnormal Brain Network Activity in Early Parkinsons Disease With Mild Cognitive Impairment Based on Dynamic Functional Connectivity. 2023, 31, 1238-1247 ○
- 161 Topological network properties of resting-state functional connectivity patterns are associated with metal mixture exposure in adolescents. 17, ○
- 160 Altered global signal topography in Alzheimer's disease. 2023, 89, 104455 ○
- 159 Disordered network structure and function in dystonia: pathological connectivity vs. adaptive responses. ○
- 158 Cross-modality comparison between structural and metabolic networks in individual brain based on the Jensen-Shannon divergence method: a healthy Chinese population study. ○
- 157 Cognitive performance and brain structural connectome alterations in major depressive disorder. 1-12 ○
- 156 Neuromodulatory feasibility of a current limiter-based tDCS device: a resting-state electroencephalography study. ○
- 155 Touchscreen-Based Cognitive Training Alters Functional Connectivity Patterns in Aged But Not Young Male Rats. 2023, 10, ENEURO.0329-22.2023 ○
- 154 Brain structural and functional connectivity and network organization in cerebral palsy: A scoping review. ○
- 153 Contribution of the stereoscopic representation of motion-in-depth during visually guided feedback control. ○
- 152 A fast and intuitive method for calculating dynamic network reconfiguration and node flexibility. 17, ○
- 151 Structural-Functional Brain Network Coupling Predicts Human Cognitive Ability. ○
- 150 Emergence of High-Order Functional Hubs in the Human Brain. ○



- 149 Exploring the neuroprotective effects of montelukast on brain inflammation and metabolism in a rat model of quinolinic acid-induced striatal neurotoxicity. **2023**, 20, 1
- 148 Abnormal brain network community structure related to psychological stress in schizophrenia. **2023**, 254, 42-53 0
- 147 Cognitive and neuroimaging outcomes in individuals with benign and low-grade brain tumours receiving radiotherapy: a protocol for a prospective cohort study. **2023**, 13, e066458 0
- 146 Brain network deficits in breast cancer patients after early neoadjuvant chemotherapy: A longitudinal MRI study. 0
- 145 Modular segregation drives causality of the dynamic oscillatory network responses during threat processing. **2023**, 5, 0
- 144 Altered spreading of neuronal avalanches in temporal lobe epilepsy relates to cognitive performance: A resting-state hdEEG study. 0
- 143 Application of EEG in migraine. 17, 1
- 142 Functional brain network alterations in the co-occurrence of autism spectrum disorder and attention deficit hyperactivity disorder. 0
- 141 Whole-brain structural connectome asymmetry in autism. 0
- 140 Age-related changes in network controllability are mitigated by redundancy in large-scale brain networks. 0
- 139 Is resting state fMRI better than individual characteristics at predicting cognition?. 0
- 138 Brain network mapping and glioma pathophysiology. **2023**, 5, 0
- 137 Native language differences in the structural connectome of the human brain. **2023**, 270, 119955 1
- 136 Network evolution of regional brain volumes in young children reflects neurocognitive scores and mother's education. **2023**, 13, 0
- 135 Internet gaming disorder and tobacco use disorder share neural connectivity patterns between the subcortical and the motor network. **2023**, 44, 2607-2619 0
- 134 UNRAVELing the synergistic effects of psilocybin and environment on brain-wide immediate early gene expression in mice. 0
- 133 Parameter estimation for connectome generative models: Accuracy, reliability, and a fast parameter fitting method. **2023**, 270, 119962 0
- 132 State switching and high-order spatiotemporal organization of dynamic Functional Connectivity are disrupted by Alzheimer's Disease. 0

- 131 Brain network analysis in Parkinson's disease patients based on graph theory. ○
- 130 Efficiency of the Brain Network Is Associated with the Mental Workload with Developed Mental Schema. **2023**, 13, 373 ○
- 129 Influence of vigilance-related arousal on brain dynamics: Potentials of new approaches. **2023**, 270, 119963 ○
- 128 A Latent Clinical-anatomical Dimension Relating Metabolic Syndrome to Brain Morphology: Evidence From a Multivariate Imaging Analysis of 40,087 Individuals. ○
- 127 Altered structural connectome of children with auditory processing disorder: a diffusion MRI study. ○
- 126 Structural and functional pathology in cocaine use disorder with polysubstance use: a multimodal fusion approach. ○
- 125 Brain Analysis with a Complex Network Approach in Stroke Patients Based on Electroencephalography: A Systematic Review and Meta-Analysis. **2023**, 11, 666 ○
- 124 The trapping problem on horizontal partitioned level-3 sierpinski gasket networks. **2023**, 98, 045207 ○
- 123 Lifespan Changes in Brain Structure and Cognitive Performance Associated with Normal Aging in Mice. ○
- 122 Convolutional-recurrent neural networks approximate diffusion tractography from T1-weighted MRI and associated anatomical context. ○
- 121 Bilingualism and Structural Network Organization in Left Temporal Lobe Epilepsy: Resilience in Neurologic Disease. 10.1212/WNL.000000000207087 ○
- 120 Information transmission velocity-based dynamic hierarchical brain networks. **2023**, 270, 119997 ○
- 119 Prediction of post-stroke motor recovery benefits from measures of sub-acute widespread network damages. **2023**, 5, ○
- 118 Resting state functional connectivity demonstrates increased segregation in bilateral temporal lobe epilepsy. ○
- 117 Temporal Stability of the Dynamic Resting-State Functional Brain Network: Current Measures, Clinical Research Progress, and Future Perspectives. **2023**, 13, 429 ○
- 116 Abnormal structural and functional network topological properties associated with left prefrontal, parietal, and occipital cortices significantly predict childhood TBI-related attention deficits: A semi-supervised deep learning study. 17, ○
- 115 A New Behavioral Paradigm for Studying Frustrative Non-reward in Juvenile Mice. ○
- 114 Brain network analysis for the discrimination of dementia disorders using electrophysiology signals: A systematic review. 15, ○

- 113 The alterations of brain network degree centrality in patients with neovascular glaucoma: a resting-state fMRI study.
- 112 Functional connectivity alterations in traumatic brain injury patients with late seizures. **2023**, 179, 106053
- 111 The Human Brain Connectome Weighted by the Myelin Content and Total Intra-Axonal Cross-Sectional Area of White Matter Tracts.
- 110 Shortest path length for evaluating general circulation models for rainfall simulation.
- 109 Using graph theory as a common language to combine neural structure and function in models of healthy cognitive performance.
- 108 Communication dynamics in the human connectome shape the cortex-wide propagation of direct electrical stimulation. **2023**,
- 107 Time-Varying Functional Connectivity of Rat Brain during Bipedal Walking on Unexpected Terrain. **2023**, 4,
- 106 Is resting state fMRI better than individual characteristics at predicting cognition?.
- 105 Alterations in white matter integrity and network topological properties are associated with a decrease in global motion perception in older adults. 15,
- 104 Brain network dynamics in the alpha band during a complex postural control task. **2023**, 20, 026030
- 103 Blind Subgrouping of Task-based fMRI.
- 102 Age and sex differentially shape brain networks in Parkinson's disease.
- 101 Neuronal Cultures: Exploring Biophysics, Complex Systems, and Medicine in a Dish. **2023**, 3, 181-202
- 100 Modular Level Alterations Of Structural-Functional Connectivity Coupling in Mild Cognitive Impairment Patients and Interactions with Age Effect. **2023**, 92, 1439-1450
- 99 Accumulation of network redundancy marks the early stage of Alzheimer's disease.
- 98 EEG reveals brain network alterations in chronic aphasia during natural speech listening.
- 97 Connectomes for 40,000 UK Biobank participants: A multi-modal, multi-scale brain network resource.
- 96 Real-time tractography-assisted neuronavigation for TMS.

- 95 A computational framework for characterizing normative development of structural brain connectivity in the perinatal stage. ○
- 94 Estimating the likelihood of epilepsy from clinically non-contributory EEG using computational analysis: A retrospective, multi-site case-control study. ○
- 93 Identifying Replicable Subgroups in Neurodevelopmental Conditions Using Resting-State Functional Magnetic Resonance Imaging Data. **2023**, 6, e232066 ○
- 92 Topological data analysis of human brain networks through order statistics. **2023**, 18, e0276419 ○
- 91 The role of additive and diffusive coupling on the dynamics of neural populations. **2023**, 13, ○
- 90 Brain effective connectivity and functional connectivity as markers of lifespan vascular exposures in middle-aged adults: The Bogalusa Heart Study. 15, ○
- 89 Identification of synchronous BOLD signal patterns in white matter of primate spinal cord. ○
- 88 Network analysis reveals abnormal functional brain circuitry in anxious dogs. **2023**, 18, e0282087 ○
- 87 Mapping the Creative Personality: A Psychometric Network Analysis of Highly Creative Artists and Scientists. 1-16 ○
- 86 Adolescent neurodevelopment and psychopathology: The interplay between adversity exposure and genetic risk for accelerated brain ageing. **2023**, 60, 101229 ○
- 85 Estimation of Attention Indices in IVA Tests Using Optical Flow in ERP Brain Maps. **2022**, 11, 46-56 ○
- 84 Sex differences in resting-state functional networks in awake rats. ○
- 83 Disrupted structural connectivity and less efficient network system in patients with the treatment-naïve adult attention-deficit/hyperactivity disorder. 14, ○
- 82 Opposite effects of positive and negative symptoms on resting-state brain networks in schizophrenia. **2023**, 6, ○
- 81 Multilayer brain networks can identify the epileptogenic zone and seizure dynamics. 12, ○
- 80 From Raw EEG Signals to Brain Networks: An EEGLAB Tutorial. **2023**, 1-16 ○
- 79 High-level cognition is supported by information-rich but compressible brain activity patterns. ○
- 78 Dissecting muscle synergies in the task space. ○

- 77 The instant effect of embodiment via mirror visual feedback on electroencephalogram-based brain connectivity changes: A pilot study. 17,
- 76 Connectivity Analysis in EEG Data: A Tutorial Review of the State of the Art and Emerging Trends. **2023**, 10, 372
- 75 Connectome dysfunction in patients at clinical high risk for psychosis and modulation by oxytocin.
- 74 Integration and segregation dynamics in functional networks of individuals diagnosed with schizophrenia.
- 73 Abnormal metabolic connectivity in default mode network of right temporal lobe epilepsy. 17,
- 72 Connectome MRI in evaluation of neurorehabilitation results in patients with multiple sclerosis (review). **2023**, 3, 43-53
- 71 Electroencephalography-Based Brain-Machine Interfaces in Older Adults: A Literature Review. **2023**, 10, 395
- 70 Aberrant modular segregation of brain networks in female patients with bulimia nervosa.
- 69 Neural and behavioral adaptations to frontal theta neurofeedback training: A proof of concept study. **2023**, 18, e0283418
- 68 Axonal damage and astrocytosis are biological correlates of grey matter network integrity loss: a cohort study in autosomal dominant Alzheimer disease.
- 67 Metastability as a candidate neuromechanistic biomarker of schizophrenia pathology. **2023**, 18, e0282707
- 66 Structural connectivity and brain network analyses in Parkinson's disease: A cross-sectional and longitudinal study. 14,
- 65 Health-promoting behavior to enhance perceived meaning and control of life in chronic disease patients with role limitations and depressive symptoms: a network approach. **2023**, 13,
- 64 Global nonlinear approach for mapping parameters of neural mass models. **2023**, 19, e1010985
- 63 Influence of exercise on pain is associated with resting-state functional connections: A cross-sectional functional brain imaging study. **2023**, 13, 100125
- 62 Diffusion-based structural connectivity patterns of multiple sclerosis phenotypes.
- 61 Unravelling individual rhythmic abilities using machine learning.
- 60 Abnormal Structural Network Communication Reflects Cognitive Deficits in Schizophrenia.

- 59 Effective connectivity analysis of brain networks of mathematically gifted adolescents using transfer entropy. **2023**, 1-12
- 58 Intra- and interbrain synchrony and hyperbrain network dynamics of a guitarist quartet and its audience during a concert.
- 57 Virtual reality-based real-time imaging reveals abnormal cortical dynamics during behavioral transitions in a mouse model of autism. **2023**, 112258
- 56 Brain-wide network analysis of resting-state neuromagnetic data.
- 55 Neuromolecular interactions guiding homeostatic mechanisms underlying healthy ageing: A view from computational microscope.
- 54 Functional and structural brain network development in children with attention deficit hyperactivity disorder.
- 53 Spectral density-based clustering algorithms for complex networks. 17,
- 52 Correlation of abnormal brain changes with perinatal factors in very preterm infants based on diffusion tensor imaging. 17,
- 51 A Graph Theory Study of Resting-State Functional MRI Connectivity in Children With Carbon Monoxide Poisoning.
- 50 Brain dysconnectivity with heart failure. **2023**, 5,
- 49 Delineating disorder-general and disorder-specific dimensions of psychopathology from functional brain networks in a clinical sample of children and adolescents.
- 48 Evaluation of Anxiety State Discrimination by Recurrent Neural Network using the Connectivity of Brain Function Network by EEG. **2023**, 143, 430-440
- 47 Association of Intrinsic Functional Brain Network and Longitudinal Development of Cognitive-Behavioral Symptoms in Young Girls with Fragile X Syndrome. **2023**,
- 46 Hyperconnectivity of two separate long-range cholinergic systems contributes to the reorganization of the brain functional connectivity during nicotine withdrawal in male mice.
- 45 Tau-PET abnormality change along with Alzheimer's disease: a topological perspective.
- 44 Machine learning model to predict obesity using gut metabolite and brain microstructure data. **2023**, 13,
- 43 Network analysis of the human structural connectome including the brainstem. **2023**, 18, e0272688
- 42 Characteristics of the Involvement of Hidden Nodes in the Activity of Human Brain Systems Revealed on fMRI Data. **2023**, 49, 1-11

- 41 Aberrant morphological brain networks in first-episode, treatment-naive adolescents with major depressive disorder.
- 40 Altered Resting-State Functional Networks in Nondialysis Patients with Stage 5 Chronic Kidney Disease: A Graph-Theoretical Analysis. **2023**, 13, 628
- 39 Multiple brain activation patterns for the same task.
- 38 Network Analysis of Magnetoencephalogram Signals in Schizophrenia Patients When Viewing Emotional Facial Stimuli. **2023**, 31, 2006-2017
- 37 Altered brain structural and functional connectivity in cannabis users. **2023**, 13,
- 36 The topology of interpersonal neural network in weak social ties.
- 35 Epileptic Tissue Localization through Skewness-Based Functional Connectivity in the High-Frequency Band of Intracranial EEG. **2023**, 10, 461
- 34 Resting State Brain Connectivity analysis from EEG and FNIRS signals.
- 33 Investigating the application of graph theory features in hand movement directions decoding using EEG signals. **2023**,
- 32 Understanding the link between functional profiles and intelligence through dimensionality reduction and graph analysis.
- 31 Long-term consequences of neonatal encephalopathy in the hypothermia era: protocol for a follow-up cohort study at 9 years of age. **2023**, 13, e073063
- 30 Fixed time point analysis reveals repetitive mild traumatic brain injury effects on resting state fMRI connectivity and neuro-spatial protein profiles.
- 29 Altered brain functional networks after Quchi (LI 11) acupuncture: An EEG analysis. **2023**, 1-12
- 28 Structural connectivity-based predictors of cognitive impairment in stroke patients attributable to aging. **2023**, 18, e0280892
- 27 Persistent homology-based functional connectivity and its association with cognitive ability: Life-span study.
- 26 Structural brain network connectivity in trichotillomania (hair-pulling disorder).
- 25 Cognitive and functional connectivity impairment in post-COVID-19 olfactory dysfunction. **2023**, 103410
- 24 A whole-brain model of the neural entropy increase elicited by psychedelic drugs. **2023**, 13,

- 23 Source connectivity patterns in the default mode network differ between elderly golf-novices and non-golfers. **2023**, 13, ○
- 22 Hub structure in functional network of EEG signals supporting high cognitive functions in older individuals. 15, ○
- 21 Single Ventricle Reconstruction III: Brain Connectome and Neurodevelopmental Outcomes: Design, Recruitment, and Technical Challenges of a Multicenter, Observational Neuroimaging Study. ○
- 20 Subtypes in addiction and their neurobehavioral profiles across three functional domains. **2023**, 13, ○
- 19 A reproducible benchmark of resting-state fMRI denoising strategies using fMRIPrep and Nilearn. ○
- 18 Topological reorganization of functional hubs in patients with Parkinson's disease with freezing of gait. ○
- 17 The changes of central auditory processing function and its electroencephalogram in patients with mild cognitive impairment and early Alzheimer's disease. **2023**, e15641 ○
- 16 TMS-evoked responses are driven by recurrent large-scale network dynamics. 12, ○
- 15 A gendered brain perspective from structure to brain interactions. **2023**, 39-59 ○
- 14 Processing negative emotion in two languages of bilinguals: Accommodation and assimilation of the neural pathways based on a meta-analysis. ○
- 13 Graph model selection by edge probability prequential inference. **2023**, 11, ○
- 12 The relationship between pathological brain activity and functional network connectivity in glioma patients. ○
- 11 The functional anatomy of dystonia: Recent developments. **2023**, ○
- 10 The domain-separation language network dynamics in resting state support its flexible functional segregation and integration during language and speech processing. **2023**, 274, 120132 ○
- 9 How the body remembers: Examining the default mode and sensorimotor networks during moral injury autobiographical memory retrieval in PTSD. **2023**, 38, 103426 ○
- 8 Fixel-Based Analysis Reveals Whole-Brain White Matter Abnormalities in Cervical Dystonia. ○
- 7 Connectome-based prediction of functional impairment in experimental stroke models. ○
- 6 Neuro-Environmental Interactions: a time sensitive matter. ○



- 5 Resilient functioning after childhood adversity is associated with altered structural brain network topology in adolescence. ○
- 4 Spatial-temporal analysis of safety risks in trajectories of construction workers based on complex network theory. **2023**, 56, 101990 ○
- 3 Network anatomy in logopenic variant of primary progressive aphasia. ○
- 2 Edge-centric functional network analyses reveal disrupted network configuration in autism spectrum disorder. **2023**, ○
- 1 Edge-centric functional network predicts risk propensity in economic decision-making: evidence from a resting-state fMRI study. ○