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Functional connectivity: the principal-component analysis of large (PET) data sets

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1531	Changes in medial cortical blood flow with a stimulus-response compatibility task. <b>1994</b> , 32, 249-55	88
1530	Magnetic resonance functional imaging of the brain at 4 t. <b>1994</b> , 2, 147-156	5
1529	The metabolic topography of parkinsonism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 783-801	369
1528	Brain-imaging studies of cognitive functions. <b>1994</b> , 17, 221-7	107
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1525	A graded task approach to the functional mapping of brain areas implicated in auditory-verbal memory. <b>1994</b> , 117 ( Pt 6), 1271-82	230
1524	PrEis of Images of Mind. <b>1995</b> , 18, 327-339	38
1523	Brain imaging, ethology, and the nonhuman mind. <b>1995</b> , 18, 339-340	2
-5-5		3
1522	Mindwatching. <b>1995</b> , 18, 340-341	3
		3
1522	Mindwatching. <b>1995</b> , 18, 340-341	1
1522	Mindwatching. 1995, 18, 340-341  Is attention an appropriate concept for explaining brain processes?. 1995, 18, 341-342	
1522 1521 1520 1519	Mindwatching. 1995, 18, 340-341  Is attention an appropriate concept for explaining brain processes?. 1995, 18, 341-342  Tough times for dualists. 1995, 18, 342-343	1
1522 1521 1520 1519	Mindwatching. 1995, 18, 340-341  Is attention an appropriate concept for explaining brain processes?. 1995, 18, 341-342  Tough times for dualists. 1995, 18, 342-343  The three attentional networks and the two hemispheric mechanisms. 1995, 18, 343-344	1
1522 1521 1520 1519	Mindwatching. 1995, 18, 340-341  Is attention an appropriate concept for explaining brain processes?. 1995, 18, 341-342  Tough times for dualists. 1995, 18, 342-343  The three attentional networks and the two hemispheric mechanisms. 1995, 18, 343-344  Broca's area: Motor encoding in somatic space. 1995, 18, 344-345	1

The neurodynamics of heavy PETing, at/intention, learning, functional recovery, and rehabilitation. **1995**, 18, 348-349

1513 Fables of the prefrontal cortex. <b>1995</b> , 18, 349-358	43
PET may image the gates of awareness, not its center. <b>1995</b> , 18, 358-359	3
1511 Tracking brain functions in space and time. <b>1995</b> , 18, 359-360	
1510 Regions, networks: Interpreting functional neuroimaging data. <b>1995</b> , 18, 360-360	1
1509 Multiple scales of brain-mind interactions. <b>1995</b> , 18, 360-362	1
1508 Mind mappers and cognitive modelers: Toward cross-fertilization. <b>1995</b> , 18, 362-363	67
1507 Redefining cognitive psychology. <b>1995</b> , 18, 363-364	1
1506 Looking for images of memory. <b>1995</b> , 18, 364-365	
1505 When is it sensible to use PET to study brain function?. <b>1995</b> , 18, 366-367	
1504 If a picture is worth a thousand words, how many pictures is a word worth?. <b>1995</b> , 18, 367-368	4
1503 Neural images and neural coding. <b>1995</b> , 18, 368-369	6
Neuroimaging studies of language should connect with (psycho)linguistic theories. <b>1995</b> , 18, 369-3	370
1501 The meaning of baselines. <b>1995</b> , 18, 370-370	
1500 Bright red spots or Ithe meaning of the meaning. <b>1995</b> , 18, 370-371	1
1499 Images of mind: A window to the brain. <b>1995</b> , 18, 371-371	O
1498 Computation, PET images, and attention. <b>1995</b> , 18, 372-372	2
1497 Interaction of method and theory in cognitive neuroscience. <b>1995</b> , 18, 372-383	1

1496 Is the human brain only responsive?. **1995**, 18, 365-366

1495	Functional connectivity in the motor cortex of resting human brain using echo-planar MRI. <b>1995</b> , 34, 537	-41	6922
1494	Characterising the complexity of neuronal interactions. <b>1995</b> , 3, 302-314		77
1493	Efficient calculation of the principal components of imaging data. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 892-4	7.3	9
1492	Commentary and opinion: I. Principal component analysis, variance partitioning, and "functional connectivity". <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 353-60	7-3	55
1491	Commentary and opinion: II. Statistical parametric mapping: ontology and current issues. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 361-70	7-3	226
1490	Principal component analysis and the scaled subprofile model compared to intersubject averaging and statistical parametric mapping: I. "Functional connectivity" of the human motor system studied with [150]water PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 738-53	7.3	90
1489	Analysis of neural network interactions related to associative learning using structural equation modeling. <b>1995</b> , 40, 115-140		10
1488	Functional imaging and the neurobiology of the psychoses. <b>1995</b> , 7, 165-171		2
1487	Schizophreniaa brain disease? A critical review of structural and functional cerebral abnormality in the disorder. <b>1995</b> , 166, 563-82		267
1486	Regional brain activity in chronic schizophrenic patients during the performance of a verbal fluency task. <b>1995</b> , 167, 343-9		370
1485	Wavelet analysis for brain-function imaging. <b>1995</b> , 14, 556-64		24
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1483	Network analysis of brain cognitive function using metabolic and blood flow data. <b>1995</b> , 66, 187-93		66
1482	Functional imaging and cognitive abnormalities. <b>1995</b> , 346, 615-20		103
1481	Functional connectivity in auditory-verbal short-term memory in Alzheimer's disease. <b>1996</b> , 4, 67-77		35
1480	Reproducibility of PET activation studies: lessons from a multi-center European experiment. EU concerted action on functional imaging. <b>1996</b> , 4, 34-54		94
1479	Imaging motor-to-sensory discharges in the human brain: an experimental tool for the assessment of functional connectivity. <b>1996</b> , 4, 78-86		43

1478	A multivariate analysis of evoked responses in EEG and MEG data. <b>1996</b> , 3, 167-74	38
1477	Spatial pattern analysis of functional brain images using partial least squares. <b>1996</b> , 3, 143-57	886
1476	Functional neuroanatomy of motor sequence learning: A PET study. <b>1996</b> , 3, S383	
1475	An assessment of nonconvulsive seizures in the intensive care unit using continuous EEG monitoring: an investigation of variables associated with mortality. <b>1996</b> , 47, 83-9	530
1474	Effects of four normalizing methods on data analytic results in functional brain imaging. <b>1996</b> , 40, 1106-21	15
1473	Cerebral organization of component processes in reading. <b>1996</b> , 119 ( Pt 4), 1221-38	524
1472	Plasticity and the Human Brain: Insights from Functional Imaging. <b>1996</b> , 2, 353-362	9
1471	Disordered functional connectivity in schizophrenia. <b>1996</b> , 26, 663-7	171
1470	Compensatory reallocation of brain resources supporting verbal episodic memory in Alzheimer's disease. <b>1996</b> , 46, 692-700	211
1469	Image Processing of Functional MRI Data. 1996,	
1468	PET studies of encoding and retrieval: The HERA model. <b>1996</b> , 3, 135-48	366
1467	Generalized Wiener estimation of three-dimensional current distribution from biomagnetic measurements. <b>1996</b> , 43, 281-91	64
1466	Schizophrenia: a disease of heteromodal association cortex?. <b>1996</b> , 14, 1-17	161
1465	Movement-related effects in fMRI time-series. <b>1996</b> , 35, 346-55	2175
1464	The effect of ethanol on alcohol-responsive essential tremor: a positron emission tomography study. <b>1996</b> , 39, 650-8	177
1463	A multivariate analysis of PET activation studies. <b>1996</b> , 4, 140-51	101
1462	The Functional Organization of Brain for Reading and Reading Disability (Dyslexia. <b>1996</b> , 2, 245-255	4
1461	The Anatomy of Manual Dexterity. <b>1996</b> ,	2

1460	Noun and verb retrieval by normal subjects. Studies with PET. <b>1996</b> , 119 ( Pt 1), 159-79		606
1459	Hyperthermia delayed by 24 hours aggravates neuronal damage in rat hippocampus following global ischemia. <b>1997</b> , 48, 768-73		152
1458	Brain activity during observation of actions. Influence of action content and subject's strategy. <b>1997</b> , 120 ( Pt 10), 1763-77		662
1457	EEG coherence and syndromes in schizophrenia. <b>1997</b> , 170, 411-5		42
1456	Characterization of dynamic 3-D PET imaging for functional brain mapping. <b>1997</b> , 16, 261-9		8
1455	Characterizing the response of PET and fMRI data using multivariate linear models. <b>1997</b> , 6, 305-19		214
1454	Near-infrared optical detection of sequential brain activation in the prefrontal cortex during mental tasks. <b>1997</b> , 5, 292-7		81
1453	Registration of dynamic dopamine D2 receptor images using principal component analysis. <b>1997</b> , 24, 1405-12		9
1452	How to estimate global activity independent of changes in local activity. <b>1997</b> , 6, 237-44		84
1451	Psychophysiological and modulatory interactions in neuroimaging. <b>1997</b> , 6, 218-29		2433
1451 1450			<sup>2</sup> 433
1450			
1450	Factors that influence effect size in 15O PET studies: a meta-analytic review. <b>1997</b> , 5, 280-91		16
1450 1449	Factors that influence effect size in 15O PET studies: a meta-analytic review. <b>1997</b> , 5, 280-91  Neuroanatomy of Reading and Dyslexia. <b>1997</b> , 6, 431-446  Lateralization and behavioral correlation of changes in regional cerebral blood flow with classical	7.3	16
1450 1449 1448	Factors that influence effect size in 15O PET studies: a meta-analytic review. 1997, 5, 280-91  Neuroanatomy of Reading and Dyslexia. 1997, 6, 431-446  Lateralization and behavioral correlation of changes in regional cerebral blood flow with classical conditioning of the human eyeblink response. 1997, 77, 2153-63  Hypercapnia reversibly suppresses low-frequency fluctuations in the human motor cortex during	7.3	16 2 138
1450 1449 1448	Factors that influence effect size in 15O PET studies: a meta-analytic review. 1997, 5, 280-91  Neuroanatomy of Reading and Dyslexia. 1997, 6, 431-446  Lateralization and behavioral correlation of changes in regional cerebral blood flow with classical conditioning of the human eyeblink response. 1997, 77, 2153-63  Hypercapnia reversibly suppresses low-frequency fluctuations in the human motor cortex during rest using echo-planar MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 301-8  Decrease in parietal cerebral hemoglobin oxygenation during performance of a verbal fluency task in patients with Alzheimer's disease monitored by means of near-infrared spectroscopy	7-3	16 2 138 138
1450 1449 1448 1447	Factors that influence effect size in 15O PET studies: a meta-analytic review. 1997, 5, 280-91  Neuroanatomy of Reading and Dyslexia. 1997, 6, 431-446  Lateralization and behavioral correlation of changes in regional cerebral blood flow with classical conditioning of the human eyeblink response. 1997, 77, 2153-63  Hypercapnia reversibly suppresses low-frequency fluctuations in the human motor cortex during rest using echo-planar MRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1997, 17, 301-8  Decrease in parietal cerebral hemoglobin oxygenation during performance of a verbal fluency task in patients with Alzheimer's disease monitored by means of near-infrared spectroscopy (NIRS)correlation with simultaneous rCBF-PET measurements. 1997, 755, 293-303  Neural control of fast-regular saccades and antisaccades: an investigation using positron emission	7-3	16 2 138 138 310

1442	Statistical methods in functional magnetic resonance imaging with respect to nonstationary time-series: auditory cortex activity. <b>1997</b> , 38, 811-20		35
1441	An overview and some new developments in the statistical analysis of PET and fMRI data. <b>1997</b> , 5, 254-8		49
1440	Consciousness and cognition may be mediated by multiple independent coherent ensembles. <b>1997</b> , 6, 3-39; discussion 40-1, 50-5, 65-6		50
1439	Brain networks affected by synchronized sleep visualized by positron emission tomography. Journal of Cerebral Blood Flow and Metabolism, 1998, 18, 701-15	7-3	87
1438	Elucidating dynamic brain interactions with across-subjects correlational analyses of positron emission tomographic data: the functional connectivity of the amygdala and orbitofrontal cortex during olfactory tasks. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1998</b> , 18, 896-905	7.3	66
1437	Simultaneous glutamate and perfusion fMRI responses to regional brain stimulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1998</b> , 18, 1064-70	7-3	14
1436	Distinct brain loci in deductive versus probabilistic reasoning. <b>1998</b> , 36, 369-76		189
1435	Monitoring for target objects: activation of right frontal and parietal cortices with increasing time on task. <b>1998</b> , 36, 1325-34		190
1434	Applications of random field theory to functional connectivity. <b>1998</b> , 6, 364-7		89
1433	Independent component analysis of fMRI data: examining the assumptions. 1998, 6, 368-72		355
1432	Cerebral interregional correlations of associative language processing: a positron emission tomography activation study using fluorine-18 fluorodeoxyglucose. <b>1998</b> , 25, 1511-9		10
1431	Cerebral networks and functional brain asymmetry: evidence from regional metabolic changes during word repetition. <b>1998</b> , 63, 108-21		32
1430	Modes or models: a critique on independent component analysis for fMRI. 1998, 2, 373-5		84
1429	Images of psychopathology. <b>1998</b> , 8, 259-62		30
1428	Mapping neural interactivity onto regional activity: an analysis of semantic processing and response mode interactions. <b>1998</b> , 7, 244-54		27
1427	Task-independent effect of time on rCBF. <b>1998</b> , 7, 314-25		32
1426	Influence of ANOVA design and anatomical standardization on statistical mapping for PET activation. <b>1998</b> , 8, 283-301		16
1425	The disconnection hypothesis. <b>1998</b> , 30, 115-25		692

1424	Functional connectivity in single and multislice echoplanar imaging using resting-state fluctuations. <b>1998</b> , 7, 119-32	1162
1423	Selective pharmacological activation of limbic structures in human volunteers: a positron emission tomography study. <b>1998</b> , 10, 148-59	45
1422	References. <b>1998</b> , 669-772	
1421	PET activation of the medial temporal lobe in learning. <b>1998</b> , 121 ( Pt 5), 875-87	70
1420	Functional connectivity of the angular gyrus in normal reading and dyslexia. <b>1998</b> , 95, 8939-44	488
1419	Dynamic cortical involvement in implicit and explicit motor sequence learning. A PET study. <b>1998</b> , 121 ( Pt 11), 2159-73	274
1418	Spatially independent activity patterns in functional MRI data during the stroop color-naming task. <b>1998</b> , 95, 803-10	366
1417	The functional neuroanatomy of simple and complex sequential finger movements: a PET study. <b>1998</b> , 121 ( Pt 2), 253-64	301
1416	Recruitment of a visuomotor network in recovery from sensorimotor stroke. <b>1998</b> , 7, S484	1
1415	Functional brain interactions during tactile object discrimination in Parkinson's disease as compared to normals. <b>1998</b> , 7, S414	1
1414	Detecting Functional Connectivity by Thresholding Correlation Random Fields. <b>1998</b> , 7, S36	1
1413	Monotonic Temporal Effects in PET are Regionally Specific. <b>1998</b> , 7, S778	1
1412	Role of the human rostral supplementary motor area and the basal ganglia in motor sequence control: investigations with H2 15O PET. <b>1998</b> , 79, 1070-80	213
1411	The geometry of correlation fields with an application to functional connectivity of the brain. <b>1999</b> , 9, 1021	82
1410	A PET study of sequential finger movements of varying length in patients with Parkinson's disease. <b>1999</b> , 122 ( Pt 3), 483-95	188
1409	Electrophysiology in neuropsychiatric research: a network perspective. <b>1999</b> , 4, 17-29	2
1408	Head and neck cancer: detection of recurrence with three-dimensional principal components analysis at dynamic FDG PET. <b>1999</b> , 212, 285-90	37
1407	Supra-regional brain systems and the neuropathology of schizophrenia. <b>1999</b> , 9, 366-78	84

1406	The effects of learning and intention on the neural network involved in the perception of meaningless actions. <b>1999</b> , 122 ( Pt 10), 1875-87	177
1405	The role of diaschisis in stroke recovery. <b>1999</b> , 30, 1844-50	158
1404	Principal component analysis of the dynamic response measured by fMRI: a generalized linear systems framework. <b>1999</b> , 17, 795-815	157
1403	A novel local PCA-based method for detecting activation signals in fMRI. <b>1999</b> , 17, 827-36	32
1402	Assessment of cluster homogeneity in fMRI data using Kendall's coefficient of concordance. <b>1999</b> , 17, 1525-32	36
1401	Network analysis in episodic encoding and retrieval of word-pair associates: a PET study. <b>1999</b> , 11, 3293-301	51
1400	Temporal dissociation of parallel processing in the human subcortical outputs. <b>1999</b> , 400, 364-7	67
1399	Inhibitory control of competing motor memories. <b>1999</b> , 126, 235-51	89
1398	Abnormal neural integration related to cognition in schizophrenia. <b>1999</b> , 395, 58-67	58
1397	Schizophrenia and the disconnection hypothesis. <b>1999</b> , 395, 68-79	249
1396		
-57-	Visualizing fronto-striatal circuitry and neuroleptic effects in schizophrenia. <b>1999</b> , 395, 129-37	28
1395	Visualizing fronto-striatal circuitry and neuroleptic effects in schizophrenia. <b>1999</b> , 395, 129-37  The impact of brain imaging technology on our understanding of motor function and dysfunction. <b>1999</b> , 9, 728-34	17
	The impact of brain imaging technology on our understanding of motor function and dysfunction.	
1395	The impact of brain imaging technology on our understanding of motor function and dysfunction. 1999, 9, 728-34  Non-invasive assessment of axonal fiber connectivity in the human brain via diffusion tensor MRI.	17
1395	The impact of brain imaging technology on our understanding of motor function and dysfunction. 1999, 9, 728-34  Non-invasive assessment of axonal fiber connectivity in the human brain via diffusion tensor MRI. 1999, 42, 37-41	17 493
1395 1394 1393	The impact of brain imaging technology on our understanding of motor function and dysfunction.  1999, 9, 728-34  Non-invasive assessment of axonal fiber connectivity in the human brain via diffusion tensor MRI. 1999, 42, 37-41  Revealing interactions among brain systems with nonlinear PCA. 1999, 8, 92-7	17 493 38
1395 1394 1393 1392	The impact of brain imaging technology on our understanding of motor function and dysfunction.  1999, 9, 728-34  Non-invasive assessment of axonal fiber connectivity in the human brain via diffusion tensor MRI.  1999, 42, 37-41  Revealing interactions among brain systems with nonlinear PCA. 1999, 8, 92-7  Abnormal cingulate modulation of fronto-temporal connectivity in schizophrenia. 1999, 9, 337-42	17 493 38 244

1388	Neural modeling, functional brain imaging, and cognition. <b>1999</b> , 3, 91-98	204
1387	Rapid assessment of regional cerebral metabolic abnormalities in single subjects with quantitative and nonquantitative [18F]FDG PET: A clinical validation of statistical parametric mapping. <b>1999</b> , 9, 63-80	221
1386	Dynamical cluster analysis of cortical fMRI activation. <b>1999</b> , 9, 477-89	54
1385	Statistical limitations in functional neuroimaging. I. Non-inferential methods and statistical models. <b>1999</b> , 354, 1239-60	93
1384	Impaired effective cortical connectivity in vegetative state: preliminary investigation using PET. <b>1999</b> , 9, 377-82	314
1383	Functional brain imaging and modeling of brain disorders. <b>1999</b> , 121, 185-200	4
1382	[Aspects of cerebral connnectivity in schizophrenia. A comparative CBF study on treated schizophrenics before and after medication]. <b>1999</b> , 67, 318-26	10
1381	No evidence for left superior temporal dysfunction in asymptomatic schizophrenia and bipolar disorder. PET study of verbal fluency. <b>1999</b> , 175, 367-74	49
1380	Fear conditioning and brain activity: A positron emission tomography study in humans 2000, 114, 671-680	60
1379	Emotional responses to pleasant and unpleasant olfactory, visual, and auditory stimuli: a positron emission tomography study. <b>2000</b> , 20, 7752-9	330
1378	Resampling as a cluster validation technique in fMRI. 2000, 11, 228-31	22
1377	Cocaine administration decreases functional connectivity in human primary visual and motor cortex as detected by functional MRI. <b>2000</b> , 43, 45-51	141
1376	The human red nucleus and lateral cerebellum in supporting roles for sensory information processing. <b>2000</b> , 10, 147-59	57
1375	Disturbed functional brain interactions underlying deficient tactile object discrimination in Parkinson's disease. <b>2000</b> , 11, 131-45	22
1374	Simultaneous movements of upper and lower limbs are coordinated by motor representations that are shared by both limbs: a PET study. <b>2000</b> , 12, 3385-98	78
1373	Combining independent component analysis and correlation analysis to probe interregional connectivity in fMRI task activation datasets. <b>2000</b> , 18, 921-30	150
1372	Comparison of two exploratory data analysis methods for fMRI: fuzzy clustering vs. principal component analysis. <b>2000</b> , 18, 89-94	109
1371	Neural modeling and functional brain imaging: an overview. <b>2000</b> , 13, 829-46	96

1370	Assessing interactions among neuronal systems using functional neuroimaging. <b>2000</b> , 13, 871-82	114	1
1369	Statistical modeling of positron emission tomography images in wavelet space. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2000</b> , 20, 1610-8	.3 32	
1368	Gender differences in regional brain response to visceral pressure in IBS patients. <b>2000</b> , 4, 157-72	142	2
1367	Functional connectivity of the anterior cingulate cortex within the human frontal lobe: a brain-mapping meta-analysis. <b>2000</b> , 133, 55-65	221	Ĺ
1366	Corticolimbic interactions associated with performance on a short-term memory task are modified by age. <b>2000</b> , 20, 8410-6	127	7
1365	Functional Neuroimaging Studies of Schizophrenia. <b>2000</b> , 523-544	4	
1364	Attention and Sensorimotor Integration: Mapping the Embodied Mind. 2000, 463-490	4	
1363	Experimental Design and Statistical Issues. <b>2000</b> , 33-58	15	
1362	Functional Maps and Brain Networks. <b>2000</b> , 111-139	4	
1361	Functional and Structural Imaging of the Human Auditory System. <b>2000</b> , 365-402	19	
	Functional and Structural Imaging of the Human Auditory System. <b>2000</b> , 365-402  An Architecture for a Brain-Image Database. <b>2000</b> , 39, 291-297	19 7	
1360			3
1360	An Architecture for a Brain-Image Database. <b>2000</b> , 39, 291-297	7	
1360 1359	An Architecture for a Brain-Image Database. <b>2000</b> , 39, 291-297  Attentional modulation of effective connectivity from V2 to V5/MT in humans. <b>2000</b> , 97, 7591-6  Anterior cingulate and the monitoriing of response conflict: evidence from an fMRI study of overt	7 203	)
1360 1359 1358	An Architecture for a Brain-Image Database. 2000, 39, 291-297  Attentional modulation of effective connectivity from V2 to V5/MT in humans. 2000, 97, 7591-6  Anterior cingulate and the monitoriing of response conflict: evidence from an fMRI study of overt verb generation. 2000, 12, 298-309	7 203 239	)
1360 1359 1358	An Architecture for a Brain-Image Database. 2000, 39, 291-297  Attentional modulation of effective connectivity from V2 to V5/MT in humans. 2000, 97, 7591-6  Anterior cingulate and the monitoriing of response conflict: evidence from an fMRI study of overt verb generation. 2000, 12, 298-309  Auditory processing in the vegetative state. 2000, 123 ( Pt 8), 1589-601	7 203 239 216	6
1360 1359 1358 1357	An Architecture for a Brain-Image Database. 2000, 39, 291-297  Attentional modulation of effective connectivity from V2 to V5/MT in humans. 2000, 97, 7591-6  Anterior cingulate and the monitoriing of response conflict: evidence from an fMRI study of overt verb generation. 2000, 12, 298-309  Auditory processing in the vegetative state. 2000, 123 ( Pt 8), 1589-601  Effects of spike timing on winner-take-all competition in model cortical circuits. 2000, 12, 181-94  Language processing modulated by literacy: a network analysis of verbal repetition in literate and	7 203 239 216 19	6

1352	Anticipatory coarticulation and aphasia: implications for phonetic theories. 2000, 28, 313-334	18
1351	Disturbed connectivity in schizophrenia: PET studies. <b>2000</b> , 11, S186	1
1350	Nonlinear PCA: characterizing interactions between modes of brain activity. <b>2000</b> , 355, 135-46	40
1349	Ethanol reduces rCFB activation of left dorsolateral prefrontal cortex during a verbal fluency task. <b>2001</b> , 77, 197-215	38
1348	Subcortical anarthria: a case report. <b>2001</b> , 78, 43-52	3
1347	Ranking fMRI time courses by minimum spanning trees: assessing coactivation in fMRI. <b>2001</b> , 13, 734-42	16
1346	A global estimator unbiased by local changes. <b>2001</b> , 13, 1193-206	25
1345	On multivariate spectral analysis of fMRI time series. <b>2001</b> , 14, 347-56	67
1344	An examination of the effects of stimulus type, encoding task, and functional connectivity on the role of right prefrontal cortex in recognition memory. <b>2001</b> , 14, 556-71	44
1343	Mapping transient, randomly occurring neuropsychological events using independent component analysis. <b>2001</b> , 14, 1432-43	29
1342	Cerebral networks in sensorimotor disturbances. <b>2001</b> , 54, 299-305	9
1341	Penalized discriminant analysis of [150]-water PET brain images with prediction error selection of smoothness and regularization hyperparameters. <b>2001</b> , 20, 376-87	30
1340	Simulating PET/fMRI studies of visual and auditory pattern recognition using biologically realistic large-scale neural models.	
1339	Acute effect of 3-(4-acetamido)-butyrril-lorazepam (DDS2700) on brain function assessed by PET at rest and during attentive tasks. <b>2001</b> , 22, 399-404	5
1338	Conflict monitoring and cognitive control. <b>2001</b> , 108, 624-52	4938
1337	Within-session and between-session reproducibility of cerebral sensorimotor activation: a testretest effect evidenced with functional magnetic resonance imaging. <i>Journal of Cerebral</i> 7.3 Blood Flow and Metabolism, <b>2001</b> , 21, 592-607	139
1336	The motion aftereffect: more than area V5/MT? Evidence from 15O-butanol PET studies. <b>2001</b> , 892, 281-92	26
1335	The neurobiology of dyslexia. <b>2001</b> , 1, 291-299	20

1334	Anterior cingulate cortex and response conflict: effects of response modality and processing domain. <b>2001</b> , 11, 837-48	264
1333	Altered brain functional connectivity and impaired short-term memory in Alzheimer's disease. <b>2001</b> , 124, 739-56	268
1332	Evidence for abnormal cortical functional connectivity during working memory in schizophrenia. <b>2001</b> , 158, 1809-17	484
1331	Alzheimer Disease: evaluation of a functional MR imaging index as a marker. <b>2002</b> , 225, 253-9	233
1330	The neuropathology of primary mood disorder. <b>2002</b> , 125, 1428-49	258
1329	Extensive individual differences in brain activations associated with episodic retrieval are reliable over time. <b>2002</b> , 14, 1200-14	123
1328	The feasibility of statistical parametric mapping for the analysis of positron emission tomography studies using 11C-2-beta-carbomethoxy-3-beta-(4-fluorophenyl)-tropane in patients with movement disorders. <b>2002</b> , 23, 1047-55	20
1327	Dissecting the effect of aging on the neural substrates of memory: deterioration, preservation or functional reorganization?. <b>2002</b> , 13, 167-81	24
1326	Normal aging and brain functional connectivity of primary motor cortex: a functional MRI (fMRI) study.	1
1325	Abnormal functional connectivity in posttraumatic stress disorder. <b>2002</b> , 15, 661-74	74
1324	An investigation of functional and anatomical connectivity using magnetic resonance imaging. <b>2002</b> , 16, 241-50	372
1323	Multivariate model specification for fMRI data. <b>2002</b> , 16, 1068-83	57
1322	T(2)(*) dependence of low frequency functional connectivity. <b>2002</b> , 16, 985-92	81
1321	Attention to Action: Specific Modulation of Corticocortical Interactions in Humans. <b>2002</b> , 17, 988-998	175
1320	The role of the dorsolateral prefrontal cortex: evidence from the effects of contextual constraint in a sentence completion task. <b>2002</b> , 16, 1094-1102	89
1319	Distortion-free diffusion tensor imaging of cranial nerves and of inferior temporal and orbitofrontal white matter. <b>2002</b> , 17, 497-506	34
1318	Effective connectivity and intersubject variability: using a multisubject network to test differences and commonalities. <b>2002</b> , 17, 1459-69	82

1316 Cerebral networks in sensorimotor stroke. 2002, 1226, 131-141

1315 Subcortical aphasia and neglect in acute stroke: the role of cortical hypoperfusion. <b>2002</b> , 1	125, 1094-104 241
1314 Functional Nethorks Underlying Human Eyeblink Conditioning. <b>2002</b> , 51-69	1
1313 Statistics I: Experimental Design and Statistical Parametric Mapping. <b>2002</b> , 605-631	9
Spatio-temporal decorrelated activity patterns in functional MRI data during real and image motor tasks. <b>2002</b> , 49, 227-239	gined 1
$_{1311}$ An evaluation of methods for detecting brain activations from functional neuroimages. <b>20</b>	<b>002</b> , 25, 69-88 39
1310 Cluster analysis of activity-time series in motor learning. <b>2002</b> , 15, 135-45	34
1309 Detection of functional connectivity using temporal correlations in MR images. <b>2002</b> , 15, 2	247-62 554
1308 Network analysis, complexity, and brain function. <b>2002</b> , 8, 56-60	133
Regional cerebral blood flow as assessed by principal component analysis and (99m)Tc-HN SPET in healthy subjects at rest: normal distribution and effect of age and gender. <b>2002</b> , 2	
1306 Hierarchical clustering to measure connectivity in fMRI resting-state data. <b>2002</b> , 20, 305-1	7 266
1305 Hypothesis testing for selective, differential, and conjoined brain activation. <b>2002</b> , 118, 12	29-40 15
Efficient principal component analysis for multivariate 3D voxel-based mapping of brain for imaging data sets as applied to FDG-PET and normal aging. <b>2003</b> , 18, 13-21	unctional 86
Independent component model for cognitive functions of multiple subjects using [150]H <sub>2</sub> images. <b>2003</b> , 18, 284-95	20 PET 14
Early stage Parkinson's disease patients and normal volunteers: comparative mechanisms sequence learning. <b>2003</b> , 20, 246-58	of 36
Detecting low-frequency functional connectivity in fMRI using a self-organizing map (SOM algorithm. <b>2003</b> , 20, 220-6	<b>1)</b> 68
Age-related differences in the functional connectivity of the hippocampus during memory encoding. <b>2003</b> , 13, 572-86	y 200
Functional magnetic resonance imaging: a review of methodological aspects and clinical applications. <b>2003</b> , 18, 1-15	75

1298	Network participation indices: characterizing component roles for information processing in neural networks. <b>2003</b> , 16, 1261-75	77
1297	Performance evaluation of principal component analysis in dynamic FDG-PET studies of recurrent colorectal cancer. <b>2003</b> , 27, 43-51	21
1296	A report of the functional connectivity workshop, Dusseldorf 2002. <b>2003</b> , 19, 457-65	178
1295	Impaired thalamocortical connectivity in humans during general-anesthetic-induced unconsciousness. <b>2003</b> , 19, 402-11	164
1294	The elusive concept of brain connectivity. <b>2003</b> , 19, 466-70	599
1293	Selective enhancement of functional connectivity in the left prefrontal cortex during sentence processing. <b>2003</b> , 20, 578-86	53
1292	Multivariate analysis of neuronal interactions in the generalized partial least squares framework: simulations and empirical studies. <b>2003</b> , 20, 625-42	49
1291	Real-time independent component analysis of fMRI time-series. <b>2003</b> , 20, 2209-24	96
1290	Personality influences limbic-cortical interactions during sad mood induction. <b>2003</b> , 20, 2031-9	92
1289	Identifying confounds to increase specificity during a "no task condition". Evidence for hippocampal connectivity using fMRI. <b>2003</b> , 20, 1236-45	75
1288	Patterns of Activity in the Categorical Representations of Objects. <b>2003</b> , 15, 704-717	199
1287	The Functional Brain Connectivity Workshop: report and commentary. 2003, 14, R1-R15	14
1286	Dopaminergic drug effects on physiological connectivity in a human cortico-striato-thalamic system. <b>2003</b> , 126, 1767-81	135
1285	Functional MRI and stroke. 2003, 251-262	
1284	Evidence from functional neuroimaging of a compensatory prefrontal network in Alzheimer's disease. <b>2003</b> , 23, 986-93	397
1283	Experimental Design and Statistical Parametric Mapping. <b>2004</b> , 599-632	9
1282	The nature of traumatic memories: a 4-T FMRI functional connectivity analysis. 2004, 161, 36-44	186
1281	Brain activity during distention of the descending colon in humans. <b>2004</b> , 16, 299-309	39

## (2004-2004)

1280	Spatiotemporal analysis of event-related potentials to upright, inverted, and contrast-reversed faces: effects on encoding and recognition. <b>2004</b> , 41, 643-53	30
1279	Finding related functional neuroimaging volumes. <b>2004</b> , 30, 141-51	17
1278	Perspectives on the estimation of effective connectivity from neuroimaging data. <b>2004</b> , 2, 169-74	11
1277	"Dynamic" connectivity in neural systems: theoretical and empirical considerations. <b>2004</b> , 2, 205-26	77
1276	Relating fMRI and PET signals to neural activity by means of large-scale neural models. 2004, 2, 251-66	25
1275	Functional connectivity during working memory maintenance. <b>2004</b> , 4, 580-99	253
1274	Changes in effective connectivity models in the presence of task-correlated motion: an fMRI study. <b>2004</b> , 21, 49-63	18
1273	Modulation of functional connectivity during the resting state and the motor task. <b>2004</b> , 22, 63-71	169
1272	Functional connectivity as revealed by spatial independent component analysis of fMRI measurements during rest. <b>2004</b> , 22, 165-78	438
1271	Spatiotemporal wavelet resampling for functional neuroimaging data. <b>2004</b> , 23, 1-25	86
1270	Comparison of TCA and ICA techniques in fMRI data processing. <b>2004</b> , 19, 397-402	20
1269	Different physiological MRI noise between cortical layers. <b>2004</b> , 52, 913-6	31
1268	Partial least squares as a target-directed structure-seeking technique. <b>2004</b> , 71, 121-127	7
1267	Clustered components analysis for functional MRI. <b>2004</b> , 23, 85-98	18
1266	"Population" approach improves parameter estimation of kinetic models from dynamic PET data. <b>2004</b> , 23, 297-306	23
1265	New approaches for exploring anatomical and functional connectivity in the human brain. 2004, 56, 613-9	160
1264	Detecting Functional Connectivity of the Cerebellum Using Low Frequency Fluctuations (LFFs). <b>2004</b> , 907-915	11
1263	A temperament for learning: The limbic system and myelomeningocele. <b>2004</b> , 1, 6	

1262	Measuring interregional functional connectivity using coherence and partial coherence analyses of fMRI data. <b>2004</b> , 21, 647-58	313
1261	Structure-seeking multilinear methods for the analysis of fMRI data. <b>2004</b> , 22, 728-39	66
1260	Comparing methods of analyzing fMRI statistical parametric maps. <b>2004</b> , 22, 1203-13	49
1259	Identifying spatial relationships in neural processing using a multiple classification approach. <b>2004</b> , 23, 260-8	12
1258	Covariance PET patterns in early Alzheimer's disease and subjects with cognitive impairment but no dementia: utility in group discrimination and correlations with functional performance. <b>2004</b> , 23, 35-45	85
1257	Measuring functional connectivity during distinct stages of a cognitive task. <b>2004</b> , 23, 752-63	625
1256	Chapter 8 Sorption (binding) and transport phenomena in biomembranes. <b>2004</b> , 215-277	2
1255	Spatial embedding of fMRI for investigating local coupling in human brain. 2005,	1
1254	In celebration of cerebration. <b>2005</b> , 5, 589-613	2
1253	Interactions between the dorsal and the ventral pathways in mental rotation: an fMRI study. <b>2005</b> , 5, 54-66	35
1252	5-HTTLPR polymorphism impacts human cingulate-amygdala interactions: a genetic susceptibility mechanism for depression. <b>2005</b> , 8, 828-34	1653
1251	Altered functional connectivity related to white matter changes inside the working memory network at the very early stage of MS. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2005</b> , 25, 1245-53 <sup>7.3</sup>	87
1250	Reductions in interhemispheric motor cortex functional connectivity after muscle fatigue. <b>2005</b> , 1057, 10-6	65
1249	A comparison of signal instability in 2D and 3D EPI resting-state fMRI. <b>2005</b> , 18, 534-42	16
1248	Functional principal component analysis of fMRI data. <b>2005</b> , 24, 109-29	101
1247	Brain glucose metabolism in the early and specific diagnosis of Alzheimer's disease. FDG-PET studies in MCI and AD. <b>2005</b> , 32, 486-510	626
1246	Functional connectivity in the brainis it an elusive concept?. <b>2005</b> , 28, 827-36	190
1245	Functional Neuroimaging Studies of Autism Spectrum Disorders. <b>2005</b> , 515-533	12

## (2005-2005)

1244	Segregation of the brain into gray and white matter: a design minimizing conduction delays. <b>2005</b> , 1, e78	79
1243	Spatio-temporal modeling of localized brain activity. <b>2005</b> , 6, 558-75	28
1242	A new approach to spatial covariance modeling of functional brain imaging data: ordinal trend analysis. <b>2005</b> , 17, 1602-45	87
1241	Investigating the neural basis for functional and effective connectivity. Application to fMRI. <b>2005</b> , 360, 1093-108	83
1240	Condition-dependent functional connectivity: syntax networks in bilinguals. 2005, 360, 921-35	51
1239	The chronoarchitecture of the cerebral cortex. <b>2005</b> , 360, 733-50	74
1238	Functional disconnectivity in subjects at high genetic risk of schizophrenia. 2005, 128, 2097-108	147
1237	Regionally specific disturbance of dorsolateral prefrontal-hippocampal functional connectivity in schizophrenia. <b>2005</b> , 62, 379-86	471
1236	Modeling brain responses. <b>2005</b> , 66, 89-124	18
1235	Neural modeling and functional brain imaging: the interplay between the data-fitting and simulation approaches. <b>2005</b> , 66, 267-90	9
1234	Antidepressant effect on connectivity of the mood-regulating circuit: an FMRI study. 2005, 30, 1334-44	275
1233	Handbook of Biomedical Image Analysis. 2005,	10
1232	Medical Image Segmentation: Methods and Applications in Functional Imaging. 2005, 111-182	19
1231	Computer Vision for Biomedical Image Applications. 2005,	4
1230	Social cues shift functional connectivity in the hypothalamus. <b>2005</b> , 102, 10712-7	61
1229	Heading for data-driven measures of effective connectivity in functional MRI.	1
1228	fMRI reveals two distinct cerebral networks subserving speech motor control. <b>2005</b> , 64, 700-6	253
1227	In celebration of cerebration. <b>2005</b> , 366, 2035-57	6

1226	Models of brain function in neuroimaging. <b>2005</b> , 56, 57-87	145
1225	Mapping directed influence over the brain using Granger causality and fMRI. <b>2005</b> , 25, 230-42	753
1224	Renewal of the neurophysiology of language: functional neuroimaging. <b>2005</b> , 85, 49-95	319
1223	Functional connectivity during Stroop task performance. <b>2005</b> , 24, 181-91	101
1222	Modulation of effective connectivity inside the working memory network in patients at the earliest stage of multiple sclerosis. <b>2005</b> , 24, 533-8	110
1221	Brain dynamics during natural viewing conditionsa new guide for mapping connectivity in vivo. <b>2005</b> , 24, 339-49	152
1220	Functional connectivity in an fMRI working memory task in high-functioning autism. 2005, 24, 810-21	460
1219	Independent component analysis of fMRI group studies by self-organizing clustering. <b>2005</b> , 25, 193-205	274
1218	Assessment of EEG synchronization based on state-space analysis. <b>2005</b> , 25, 339-54	112
1217	Coherence between fMRI time-series distinguishes two spatial working memory networks. <b>2005</b> , 26, 177-83	49
1216	Functional network in the prefrontal cortex during episodic memory retrieval. 2005, 26, 932-40	16
1215	Cingulate control of fronto-temporal integration reflects linguistic demands: a three-way interaction in functional connectivity. <b>2005</b> , 28, 115-21	33
1214	Neurophysiological architecture of functional magnetic resonance images of human brain. <b>2005</b> , 15, 1332-42	1019
1213	Long-term functional consequences of quinolinic acid striatal lesions and their alteration following an addition of a globus pallidus lesion assessed using pharmacological magnetic resonance imaging. <b>2005</b> , 196, 244-53	3
1212	Functional connectivity and pain: how effectively connected is your brain?. 2005, 116, 173-174	16
1211	Conditional correlation as a measure of mediated interactivity in fMRI and MEG/EEG. <b>2005</b> , 53, 3503-3516	25
<b>121</b> 0	Dynamics of thalamo-cortical network oscillations and human perception. <b>2005</b> , 150, 127-42	83
1209	Functional disconnectivity of the medial temporal lobe in Asperger's syndrome. <b>2005</b> , 57, 991-8	164

## (2006-2005)

1208	Activity and connectivity of brain mood regulating circuit in depression: a functional magnetic resonance study. <b>2005</b> , 57, 1079-88	632
1207	A 4.0-T fMRI study of brain connectivity during word fluency in first-episode schizophrenia. <b>2005</b> , 75, 247-63	117
1206	Oxytocin modulates neural circuitry for social cognition and fear in humans. <b>2005</b> , 25, 11489-93	1227
1205	Analyzing functional connectivity using a network likelihood model of ensemble neural spiking activity. <b>2005</b> , 17, 1927-61	169
1204	General anesthesia and the neural correlates of consciousness. <b>2005</b> , 150, 229-44	139
1203	Neuroanatomical Tract-Tracing 3. <b>2006</b> ,	19
1202	Volume-Wise Application of Principal Component Analysis on Masked Dynamic PET Data in Sinogram Domain. <b>2006</b> , 53, 2759-2768	6
1201	Neural Networks: An Empirical Neuroscience Approach Toward Understanding Cognition   Review of Joaquil M. Fuster's Cortex and Mind: Unifying Cognition., Oxford University Press (2003), ISBN 0-19-514752-9, 310 pages. Price: US \$55.00, UK £33.50. <b>2006</b> , 42, 1037-1040	11
1200	Detection of signal synchronizations in resting-state fMRI datasets. <b>2006</b> , 29, 321-7	59
1199	A multivariate approach for processing magnetization effects in triggered event-related functional magnetic resonance imaging time series. <b>2006</b> , 30, 136-43	3
1198	Functional imaging of developmental and adaptive changes in neurocognition. 2006, 30, 679-91	61
1197	Lagged covariance structure models for studying functional connectivity in the brain. <b>2006</b> , 30, 1203-18	33
1196	Network analysis of single-subject fMRI during a finger opposition task. <b>2006</b> , 32, 325-32	28
1195	Changes in hippocampal connectivity in the early stages of Alzheimer's disease: evidence from resting state fMRI. <b>2006</b> , 31, 496-504	635
1194	Partial correlation for functional brain interactivity investigation in functional MRI. 2006, 32, 228-37	357
1193	Determining significant connectivity by 4D spatiotemporal wavelet packet resampling of functional neuroimaging data. <b>2006</b> , 31, 1142-55	47
1192	Mapping anatomical correlations across cerebral cortex (MACACC) using cortical thickness from MRI. <b>2006</b> , 31, 993-1003	415
1191	Multiple brain networks for visual self-recognition with different sensitivity for motion and body part. <b>2006</b> , 32, 1905-17	105

1190	[11C]-GR205171, [11C]-L-deuterium-deprenyl, [11C]-5-Hydroxy-L-Tryptophan, [11C]-L-DOPA and	20
1189	Pittsburgh Compound-B. <b>2006</b> , 33, 588-98  Effect of initial fMRI data modeling on the connectivity reported between brain areas. <b>2006</b> , 33, 515-21	10
1188	Atypically diffuse functional connectivity between caudate nuclei and cerebral cortex in autism. <b>2006</b> , 2, 34	141
1187	Functional magnetic resonance imaging and cognition at the very early stage of MS. <b>2006</b> , 245, 87-91	49
1186	Structural and functional surrogates of cognitive impairment at the very early stage of multiple sclerosis. <b>2006</b> , 245, 161-7	38
1185	Altered resting-state functional connectivity patterns of anterior cingulate cortex in adolescents with attention deficit hyperactivity disorder. <b>2006</b> , 400, 39-43	324
1184	Modulation of inferotemporal cortex activation during verbal working memory maintenance. <b>2006</b> , 51, 251-61	89
1183	Neural synchrony in brain disorders: relevance for cognitive dysfunctions and pathophysiology. <b>2006</b> , 52, 155-68	1469
1182	Assessing the working memory network: studies with functional magnetic resonance imaging and structural equation modeling. <b>2006</b> , 139, 91-103	85
1181		6
1180	Recent advances and future prospects in neuroimaging of acute and chronic pain. 2006, 1, 203-213	12
1179	Handedness-related functional connectivity using low-frequency blood oxygenation level-dependent fluctuations. <b>2006</b> , 17, 5-8	8
1178	Functional neuroimaging studies in mood disorders. <b>2006</b> , 18, 88-99	28
1177	Brainwaves. <b>2006</b> , 18, 234-5	2
1176	Wavelet-based bootstrapping of spatial patterns on a finite lattice. <b>2006</b> , 50, 2399-2421	6
1175	Multivariate analysis of fMRI data by oriented partial least squares. <b>2006</b> , 24, 953-8	5
1174	Neuroimaging studies of emotional responses in PTSD. <b>2006</b> , 1071, 87-109	139
1173	Coupling between cerebellar hemispheres: behavioural, anatomic, and functional data. <b>2006</b> , 5, 212-9	7

1172	Partially enhanced thalamocortical functional connectivity in autism. <b>2006</b> , 1104, 160-74	154
1171	The novelty value of the combined use of electroencephalography and transcranial magnetic stimulation for neuroscience research. <b>2006</b> , 52, 183-92	138
1170	Exploratory analysis of brain connectivity with ICA. <b>2006</b> , 25, 102-11	21
1169	Brain imaging tools in neurosciences. <b>2006</b> , 99, 281-92	41
1168	Learning related interactions among neuronal systems involved in memory processes. <b>2006</b> , 99, 318-32	9
1167	Exploring large-scale brain networks in functional MRI. <b>2006</b> , 100, 171-81	20
1166	Method for multimodal analysis of independent source differences in schizophrenia: combining gray matter structural and auditory oddball functional data. <b>2006</b> , 27, 47-62	188
1165	A Bayesian approach to determining connectivity of the human brain. <b>2006</b> , 27, 267-76	117
1164	Brain areas involved in medial temporal lobe seizures: a principal component analysis of ictal SPECT data. <b>2006</b> , 27, 520-34	15
1163	Determining hierarchical functional networks from auditory stimuli fMRI. <b>2006</b> , 27, 462-70	22
1162	Design and analysis of fMRI studies with neurologically impaired patients. <b>2006</b> , 23, 816-26	112
1161	Functional connectivity networks are disrupted in left temporal lobe epilepsy. <b>2006</b> , 59, 335-43	253
1160	Directed transfer function analysis of fMRI data to investigate network dynamics. 2006, 2006, 671-4	9
1159	The correlated network of acupuncture effect: a functional connectivity study. <b>2006</b> , 2006, 480-3	11
1158	Models of functional neuroimaging data. <b>2006</b> , 2, 15-34	13
1157	Functional connectivity of cortical networks involved in bimanual motor sequence learning. <b>2007</b> , 17, 1227-34	121
1156	Spatially Local and Temporally Smooth PCA for fMRI. 2006,	2
1155	PTSD. <b>2006</b> ,	2

1154	Interregional Functional Connectivity via Pattern Synchrony. <b>2006</b> ,	4
1153	SPARSE VARIABLE PRINCIPAL COMPONENT ANALYSIS WITH APPLICATION TO FMRI. 2007,	9
1152	Fiber connections between the cerebral cortex and the corpus callosum in Alzheimer's disease: a diffusion tensor imaging and voxel-based morphometry study. <b>2007</b> , 17, 2276-82	67
1151	Extrinsic and intrinsic systems in the posterior cortex of the human brain revealed during natural sensory stimulation. <b>2007</b> , 17, 766-77	289
1150	Whole brain functional connectivity in the early blind. <b>2007</b> , 130, 2085-96	203
1149	Nonparametric extraction of transient changes in neurotransmitter concentration from dynamic PET data. <b>2007</b> , 26, 359-73	12
1148	Direct measure of local region functional connectivity by multivariate correlation technique. <b>2007</b> , 2007, 5231-4	2
1147	Subspace approaches for FMRI time series estimation. <b>2007</b> , 2007, 5485-8	
1146	Reciprocal effects of antidepressant treatment on activity and connectivity of the mood regulating circuit: an FMRI study. <b>2007</b> , 19, 274-82	152
1145	Partial correlation mapping of brain functional connectivity with resting state fMRI. 2007,	1
1145	Partial correlation mapping of brain functional connectivity with resting state fMRI. 2007,  [Functional exploration of the brain by fMRI]. 2007, 37, 229-37	0
1144	[Functional exploration of the brain by fMRI]. 2007, 37, 229-37  Opioid withdrawal results in an increased local and remote functional connectivity at EEG alpha and	0
1144	[Functional exploration of the brain by fMRI]. 2007, 37, 229-37  Opioid withdrawal results in an increased local and remote functional connectivity at EEG alpha and beta frequency bands. 2007, 58, 40-9  A method for using blocked and event-related fMRI data to study "resting state" functional	0 29
1144 1143 1142	[Functional exploration of the brain by fMRI]. 2007, 37, 229-37  Opioid withdrawal results in an increased local and remote functional connectivity at EEG alpha and beta frequency bands. 2007, 58, 40-9  A method for using blocked and event-related fMRI data to study "resting state" functional connectivity. 2007, 35, 396-405  Amplitude of low frequency fluctuation within visual areas revealed by resting-state functional	o 29 434
1144 1143 1142 1141	[Functional exploration of the brain by fMRI]. 2007, 37, 229-37  Opioid withdrawal results in an increased local and remote functional connectivity at EEG alpha and beta frequency bands. 2007, 58, 40-9  A method for using blocked and event-related fMRI data to study "resting state" functional connectivity. 2007, 35, 396-405  Amplitude of low frequency fluctuation within visual areas revealed by resting-state functional MRI. 2007, 36, 144-52	o 29 434 361
1144 1143 1142 1141 1140	[Functional exploration of the brain by fMRI]. 2007, 37, 229-37  Opioid withdrawal results in an increased local and remote functional connectivity at EEG alpha and beta frequency bands. 2007, 58, 40-9  A method for using blocked and event-related fMRI data to study "resting state" functional connectivity. 2007, 35, 396-405  Amplitude of low frequency fluctuation within visual areas revealed by resting-state functional MRI. 2007, 36, 144-52  Support vector machine learning-based fMRI data group analysis. 2007, 36, 1139-51	o 29 434 361 97

1136	Statistical approaches to functional neuroimaging data. <b>2007</b> , 17, 441-58, viii	19
1135	From cognitive to neural models of working memory. <b>2007</b> , 362, 761-72	518
1134	Functional disintegration in paranoid schizophrenia using resting-state fMRI. <b>2007</b> , 97, 194-205	336
1133	Modelling brain responses. <b>2007</b> , 32-45	5
1132	Functional connectivity: eigenimages and multivariate analyses. 2007, 492-507	13
1131	Analysis of intersubject variability in activation: an application to the incidental episodic retrieval during recognition test. <b>2007</b> , 28, 49-58	30
1130	Impaired functional connectivity at EEG alpha and theta frequency bands in major depression. <b>2007</b> , 28, 247-61	155
1129	Stabilities of negative correlations between blood oxygen level-dependent signals associated with sensory and motor cortices. <b>2007</b> , 28, 681-90	17
1128	Detecting functional nodes in large-scale cortical networks with functional magnetic resonance imaging: a principal component analysis of the human visual system. <b>2007</b> , 28, 817-34	9
1127	Altered functional connectivity in early Alzheimer's disease: a resting-state fMRI study. <b>2007</b> , 28, 967-78	551
1126	Misattribution of speech and impaired connectivity in patients with auditory verbal hallucinations. <b>2007</b> , 28, 1213-22	132
1125	Covariate adjustment in partial least squares (PLS) regression for the extraction of the spatial pattern from positron emission tomography data. <b>2007</b> , 4, 44-63	
1124	Derivative temporal clustering analysis: detecting prolonged neuronal activity. <b>2007</b> , 25, 183-7	5
1123	Assessing functional connectivity in the human brain by fMRI. <b>2007</b> , 25, 1347-57	301
1122	Spontaneous fluctuations in brain activity observed with functional magnetic resonance imaging. <b>2007</b> , 8, 700-11	4876
1121	Neural correlates of processing facial identity based on features versus their spacing. <b>2007</b> , 45, 1438-51	112
1120	Top-down modulation and normal aging. <b>2007</b> , 1097, 67-83	149
1119	Evaluation of cortical connectivity during real and imagined rhythmic finger tapping. <b>2007</b> , 19, 137-45	43

1118	Use of a neural mass model for the analysis of effective connectivity among cortical regions based on high resolution EEG recordings. <b>2007</b> , 96, 351-65	21
1117	Processing the acute cocaine FMRI response in human brain with Bayesian source separation. <b>2007</b> , 17, 965-978	1
1116	Adaptive integration of local region information to detect fine-scale brain activity patterns. <b>2008</b> , 51, 1980-1989	
1115	Modulation of Resting State Functional Connectivity of the Brain by Naloxone Infusion. <b>2008</b> , 2, 11-20	5
1114	Assessment of brain interactivity in the motor cortex from the concept of functional connectivity and spectral analysis of fMRI data. <b>2008</b> , 98, 101-14	4
1113	Split-test Bonferroni correction for QEEG statistical maps. <b>2008</b> , 98, 295-303	19
1112	Reducing correlated noise in fMRI data. <b>2008</b> , 59, 939-45	24
1111	Artifactual time-course correlations in echo-planar fMRI with implications for studies of brain function. <b>2008</b> , 18, 345-349	15
1110	Directed information flow: a model free measure to analyze causal interactions in event related EEG-MEG-experiments. <b>2008</b> , 29, 193-206	30
1109	Functional connectivity mapping using the ferromagnetic Potts spin model. <b>2008</b> , 29, 422-40	10
1108	Altered functional connectivity of primary visual cortex in early blindness. 2008, 29, 533-43	98
1107	Partner-matching for the automated identification of reproducible ICA components from fMRI datasets: algorithm and validation. <b>2008</b> , 29, 875-93	32
1106	Functional connectivity estimation in fMRI data: influence of preprocessing and time course selection. <b>2008</b> , 29, 1040-52	34
1105	Visual target modulation of functional connectivity networks revealed by self-organizing group ICA. <b>2008</b> , 29, 1450-61	33
1104	Endogenous brain fluctuations and diagnostic imaging. <b>2008</b> , 29, 810-7	32
1103	The hallucinating brain: a review of structural and functional neuroimaging studies of hallucinations. <b>2008</b> , 32, 175-91	400
1102	Spontaneous low-frequency blood oxygenation level-dependent fluctuations and functional connectivity analysis of the 'resting' brain. <b>2008</b> , 26, 1055-64	163
1101	Genetic variation in the serotonin transporter modulates neural system-wide response to fearful faces. <b>2008</b> , 7, 543-51	46

## (2008-2008)

1100	Modifications of the interactions in the motor networks when a movement becomes automatic. <b>2008</b> , 586, 4295-304	78
1099	Combining structural and functional neuroimaging data for studying brain connectivity: a review. <b>2008</b> , 45, 173-87	126
1098	Neural connectivity in children with bipolar disorder: impairment in the face emotion processing circuit. <b>2008</b> , 49, 88-96	117
1097	. <b>2008</b> , 2, 897-906	3
1096	The coordination dynamics of economic decision making: a multilevel approach to social neuroeconomics. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2008</b> , 16, 557-71	17
1095	Interregional cerebral metabolic associativity during a continuous performance task (Part I): healthy adults. <b>2008</b> , 164, 16-29	5
1094	Data-driven clustering reveals a fundamental subdivision of the human cortex into two global systems. <b>2008</b> , 46, 540-53	142
1093	FMRI connectivity analysis of acupuncture effects on an amygdala-associated brain network. <b>2008</b> , 4, 55	108
1092	Small-world and scale-free organization of voxel-based resting-state functional connectivity in the human brain. <b>2008</b> , 43, 528-39	547
1091	. <b>2008</b> , 56, 5804-5816	47
	. 2008, 56, 5804-5816  A Bayesian hierarchical framework for spatial modeling of fMRI data. 2008, 39, 146-56	47 81
1090		
1090	A Bayesian hierarchical framework for spatial modeling of fMRI data. <b>2008</b> , 39, 146-56	81
1090	A Bayesian hierarchical framework for spatial modeling of fMRI data. 2008, 39, 146-56  Brain spontaneous functional connectivity and intelligence. 2008, 41, 1168-76  Appearance modeling of 11C PiB PET images: characterizing amyloid deposition in Alzheimer's	8 <sub>1</sub>
1090 1089 1088	A Bayesian hierarchical framework for spatial modeling of fMRI data. 2008, 39, 146-56  Brain spontaneous functional connectivity and intelligence. 2008, 41, 1168-76  Appearance modeling of 11C PiB PET images: characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. 2008, 43, 430-9	81 237 70
1090 1089 1088 1087	A Bayesian hierarchical framework for spatial modeling of fMRI data. 2008, 39, 146-56  Brain spontaneous functional connectivity and intelligence. 2008, 41, 1168-76  Appearance modeling of 11C PiB PET images: characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. 2008, 43, 430-9  Impact of prosocial neuropeptides on human brain function. 2008, 170, 463-70  [Clinical interest of fMRI and functional exploration methods of brain activity and interactivity:	81 237 70 81
1090 1089 1088 1087 1086	A Bayesian hierarchical framework for spatial modeling of fMRI data. 2008, 39, 146-56  Brain spontaneous functional connectivity and intelligence. 2008, 41, 1168-76  Appearance modeling of 11C PiB PET images: characterizing amyloid deposition in Alzheimer's disease, mild cognitive impairment and healthy aging. 2008, 43, 430-9  Impact of prosocial neuropeptides on human brain function. 2008, 170, 463-70  [Clinical interest of fMRI and functional exploration methods of brain activity and interactivity: physical and neurophysiological considerations]. 2008, 35, 131-43	81 237 70 81 4

1082	Functional connectivity through nonlinear modeling: an application to the rat hippocampus. <b>2008</b> , 2008, 5522-5		3
1081	Fronto-temporal interactions during overt verbal initiation and suppression. <b>2008</b> , 20, 1656-69		40
1080	Network analysis of intrinsic functional brain connectivity in Alzheimer's disease. 2008, 4, e1000100		813
1079	Combining path analysis with time-resolved functional magnetic resonance imaging: the neurocognitive network underlying mental rotation. <b>2008</b> , 20, 1003-20		12
1078	Inferring functional connectivity using spatial modulation measures of fMRI signals within brain regions of interest. <b>2008</b> ,		1
1077	EEG Connectivity Patterns in Childhood Sexual Abuse: A Multivariate Application Considering Curvature of Brain Space. <b>2008</b> , 12, 141-160		3
1076	Imaging structural and functional connectivity: towards a unified definition of human brain organization?. <b>2008</b> , 21, 393-403		109
1075	Loss of effective connectivity during general anesthesia. <b>2008</b> , 46, 55-73		38
1074	Resting-state functional connectivity in neuropsychiatric disorders. <b>2008</b> , 21, 424-30		855
1073	Distinct Brain Loci in Deductive versus Probabilistic Reasoning. 1016-1023		
1072	Social Neuroeconomics: A dynamical systems perspective. <b>2008</b> , 118, 51		4
1071	Exploring the anatomical basis of effective connectivity models with DTI-based fiber tractography. <b>2008</b> , 2008, 423192		10
1070	Neuroimaging. 233-251		
1069	Uncovering intrinsic modular organization of spontaneous brain activity in humans. 2009, 4, e5226		450
1068	Resting network plasticity following brain injury. <b>2009</b> , 4, e8220		181
1067	BDNF genotype modulates resting functional connectivity in children. <i>Frontiers in Human Neuroscience</i> , <b>2009</b> , 3, 55	.3	38
1066	Functional clustering algorithm for the analysis of dynamic network data. <b>2009</b> , 79, 056104		37
1065	Funktionelle und effektive Konnektivittl <b>2009</b> , 40, 222-232		4

1064	Spatial-temporal clustering analysis in functional magnetic resonance imaging. <b>2009</b> , 54, 7301-14	2
1063	Principal component analysis with pre-normalization improves the signal-to-noise ratio and image quality in positron emission tomography studies of amyloid deposits in Alzheimer's disease. <b>2009</b> , 54, 3595-612	9
1062	Four-dimensional (4D) image reconstruction strategies in dynamic PET: beyond conventional independent frame reconstruction. <b>2009</b> , 36, 3654-70	111
1061	Functional integration between the posterior hippocampus and prefrontal cortex is impaired in both first episode schizophrenia and the at risk mental state. <b>2009</b> , 132, 2426-36	147
1060	Development of anterior cingulate functional connectivity from late childhood to early adulthood. <b>2009</b> , 19, 640-57	430
1059	Dynamic changes in the mental rotation network revealed by pattern recognition analysis of fMRI data. <b>2009</b> , 21, 890-904	24
1058	Brain activation associated with changes in heart rate, heart rate variability, and plasma catecholamines during rectal distention. <b>2009</b> , 71, 619-26	27
1057	Resting state corticolimbic connectivity abnormalities in unmedicated bipolar disorder and unipolar depression. <b>2009</b> , 171, 189-98	289
1056	Functional connectivity reveals inefficient working memory systems in post-traumatic stress disorder. <b>2009</b> , 172, 235-41	50
1055	Principal component analysis in mild and moderate Alzheimer's diseasea novel approach to clinical diagnosis. <b>2009</b> , 173, 8-14	26
1054	A principal component network analysis of prefrontal-limbic functional magnetic resonance imaging time series in schizophrenia patients and healthy controls. <b>2009</b> , 174, 184-94	13
1053	Low-frequency BOLD fluctuations demonstrate altered thalamocortical connectivity in diabetic neuropathic pain. <b>2009</b> , 10, 138	83
1052	Unified framework for robust estimation of brain networks from FMRI using temporal and spatial correlation analyses. <b>2009</b> , 28, 1296-307	12
1051	An introduction to anatomical ROI-based fMRI classification analysis. <b>2009</b> , 1282, 114-25	71
1050	Reorganization and enhanced functional connectivity of motor areas in repetitive ankle movements after training in locomotor attention. <b>2009</b> , 1297, 124-34	27
1049	Integrated local correlation: a new measure of local coherence in fMRI data. 2009, 30, 13-23	47
1048	Altered small-world brain functional networks in children with attention-deficit/hyperactivity disorder. <b>2009</b> , 30, 638-49	363
1047	Masked smoking-related images modulate brain activity in smokers. <b>2009</b> , 30, 896-907	20

1046	Multivariate Granger causality analysis of fMRI data. <b>2009</b> , 30, 1361-73	199
1045	Parcellation-dependent small-world brain functional networks: a resting-state fMRI study. <b>2009</b> , 30, 1511-23	479
1044	Functional and effective connectivity of visuomotor control systems demonstrated using generalized partial least squares and structural equation modeling. <b>2009</b> , 30, 2232-51	11
1043	Random fieldsunion intersection tests for detecting functional connectivity in EEG/MEG imaging. <b>2009</b> , 30, 2477-86	7
1042	Diminished neural sensitivity to irregular facial expression in first-episode schizophrenia. <b>2009</b> , 30, 2606-16	16
1041	Two systems of resting state connectivity between the insula and cingulate cortex. <b>2009</b> , 30, 2731-45	510
1040	Functionally linked resting-state networks reflect the underlying structural connectivity architecture of the human brain. <b>2009</b> , 30, 3127-41	759
1039	Sensory-motor brain network connectivity for speech comprehension. <b>2010</b> , 31, 567-80	59
1038	Specific somatotopic organization of functional connections of the primary motor network during resting state. <b>2010</b> , 31, 631-44	57
1037	Combining spatial and temporal information to explore function-guide action of acupuncture using fMRI. <b>2009</b> , 30, 41-6	41
1036	Disease state prediction from resting state functional connectivity. <b>2009</b> , 62, 1619-28	311
1035	Review of methods for functional brain connectivity detection using fMRI. <b>2009</b> , 33, 131-9	172
1034	Evaluation and optimization of fMRI single-subject processing pipelines with NPAIRS and second-level CVA. <b>2009</b> , 27, 264-78	27
1033	A serial functional connectivity MRI study in healthy individuals assessing the variability of connectivity measures: reduced interhemispheric connectivity in the motor network during continuous performance. <b>2009</b> , 27, 1347-59	12
1032	Detecting functional connectivity in fMRI using PCA and regression analysis. 2009, 22, 134-44	36
1031	Judgment in Older Adults with Normal Cognition, Cognitive Complaints, MCI, and Mild AD: Relation to Regional Frontal Gray Matter. <b>2009</b> , 3, 212-219	14
1030	Pallidal deep brain stimulation and L-dopa effect on PET motor activation in advanced Parkinson's disease. <b>2009</b> , 19, 253-8	7
1029	On the Fisher  Z transformation of correlation random fields. <b>2009</b> , 79, 780-788	2

### (2010-2009)

Stochastic resonance on Newmanl Watts networks of Hodgkin Huxley neurons with local periodic driving. <b>2009</b> , 373, 964-968	155
A Mathematical Model for Understanding the STatistical effects of k-space (AMMUST-k) preprocessing on observed voxel measurements in fcMRI and fMRI. <b>2009</b> , 181, 268-82	9
Modalities, modes, and models in functional neuroimaging. <b>2009</b> , 326, 399-403	340
1025 Functional MRI at the crossroads. <b>2009</b> , 73, 3-9	28
Database-managed grid-enabled analysis of neuroimaging data: the CNARI framework. <b>2009</b> , 73, 62-72	7
Interaction of speech and script in human auditory cortex: insights from neuro-imaging and effective connectivity. <b>2009</b> , 258, 152-64	51
1022 Brain functional modeling, what do we measure with fMRI data?. <b>2009</b> , 64, 12-9	13
Abnormal functional connectivity of hippocampus during episodic memory retrieval processing network in amnestic mild cognitive impairment. <b>2009</b> , 65, 951-8	133
1020 A connectivity-based method for defining regions-of-interest in fMRI data. <b>2009</b> , 18, 1760-71	11
Eyes wide shut: amygdala mediates eyes-closed effect on emotional experience with music. <b>2009</b> , 4, e6230	40
1018 Neuronal networks in Alzheimer's disease. <b>2009</b> , 15, 333-50	166
1017 The Human Connectome. <b>2009</b> , 309-332	1
1016 Exploring brain networks in temporal lobe epilepsy by using dDTF analysis of fMRI data. <b>2009</b> ,	
Connectivity alterations assessed by combining fMRI and MR-compatible hand robots in chronic stroke. <b>2009</b> , 47 Suppl 2, T90-7	48
Smoothing dynamic positron emission tomography time courses using functional principal components. <b>2009</b> , 47, 184-93	20
1013 MATLAB toolbox for functional connectivity. <b>2009</b> , 47, 1590-607	96
1012 Functional segmentation of fMRI data using adaptive non-negative sparse PCA (ANSPCA). <b>2009</b> , 12, 490-7	3
1011 DPARSF: A MATLAB Toolbox for "Pipeline" Data Analysis of Resting-State fMRI. <b>2010</b> , 4, 13	1980

1010	Graph-based network analysis of resting-state functional MRI. <b>2010</b> , 4, 16	350
1009	Graph theoretical modeling of brain connectivity. <b>2010</b> , 23, 341-50	473
1008	Disease and the brain's dark energy. <b>2010</b> , 6, 15-28	673
1007	Effects of acute tryptophan depletion on neural processing of facial expressions of emotion in humans. <b>2010</b> , 210, 499-510	17
1006	Route and survey processing of topographical memory during navigation. <b>2010</b> , 74, 545-59	36
1005	Graph theoretical analysis of structural and functional connectivity MRI in normal and pathological brain networks. <b>2010</b> , 23, 409-21	204
1004	Resting developments: a review of fMRI post-processing methodologies for spontaneous brain activity. <b>2010</b> , 23, 289-307	174
1003	Spontaneous brain activity observed with functional magnetic resonance imaging as a potential biomarker in neuropsychiatric disorders. <b>2010</b> , 4, 275-94	37
1002	Asymmetrical hippocampal connectivity in mesial temporal lobe epilepsy: evidence from resting state fMRI. <b>2010</b> , 11, 66	157
1001	Functional connectivity between brain regions involved in learning words of a new language. <b>2010</b> , 113, 21-7	66
1000	Dopamine-induced changes in neural network patterns supporting aversive conditioning. <b>2010</b> , 1313, 143-61	25
999	The role of the unaffected hemisphere in motor recovery after stroke. <b>2010</b> , 31, 1017-29	80
998	Hyperactive putamen in patients with paroxysmal kinesigenic choreoathetosis: a resting-state functional magnetic resonance imaging study. <b>2010</b> , 25, 1226-31	29
997	Revealing neuronal functional organization through the relation between multi-scale oscillatory extracellular signals. <b>2010</b> , 186, 116-29	46
996	Revealing voxel correlation cliques by functional holography analysis of fMRI. <b>2010</b> , 191, 126-37	4
995	Neocortical seizure foci localization by means of a directed transfer function method. <b>2010</b> , 51, 564-72	110
994	Qualitatively different modes of perirhinal-hippocampal engagement when rats explore novel vs. familiar objects as revealed by c-Fos imaging. <b>2010</b> , 31, 134-47	113
993	Adult Language Learning After Minimal Exposure to an Unknown Natural Language. <b>2010</b> , 60, 5-24	37

992	Modeling Resting-State Brain Functional Integration. <b>2010</b> ,	1
991	Effects of Visual Experience on the Human MT+ Functional Connectivity Networks: An fMRI Study of Motion Perception in Sighted and Congenitally Blind Individuals. <b>2010</b> , 4, 159	31
990	Motor network degeneration in amyotrophic lateral sclerosis: a structural and functional connectivity study. <b>2010</b> , 5, e13664	132
989	[Brain imaging: towards a more detailed knowledge of the central nervous system]. 2010, 204, 321-31	
988	The role of functional magnetic resonance imaging in brain surgery. <b>2010</b> , 28, E4	67
987	Clinical applications of resting state functional connectivity. <b>2010</b> , 4, 19	745
986	Functional clustering in hippocampal cultures: relating network structure and dynamics. <b>2010</b> , 7, 046004	15
985	Impaired efficiency of functional networks underlying episodic memory-for-context in schizophrenia. <b>2010</b> , 30, 13171-9	70
984	Corticocortical connections mediate primary visual cortex responses to auditory stimulation in the blind. <b>2010</b> , 30, 12798-805	103
983	1,4-Diazabicyclo[2.2.2]octane (DABCO) as a useful catalyst in organic synthesis. <b>2010</b> , 1, 54-60	52
982	Reduced connectivity of the auditory cortex in patients with auditory hallucinations: a resting state functional magnetic resonance imaging study. <b>2010</b> , 40, 1149-58	92
981	Functional brain imaging in schizophrenia: selected results and methods. <b>2010</b> , 4, 181-214	50
980	Covariance 99mTc-exametazime SPECT patterns in Alzheimer's disease and dementia with Lewy bodies: utility in differential diagnosis. <b>2010</b> , 23, 54-62	16
979	Correlated low-frequency BOLD fluctuations in the resting human brain are modulated by recent experience in category-preferential visual regions. <b>2010</b> , 20, 1997-2006	145
978	A semiparametric PCA approach to fMRI data analysis. <b>2010</b> ,	2
977	Revealing buried information: Statistical processing techniques for ultracold-gas image analysis. <b>2010</b> , 81,	24
976	Anatomical and functional correlates in major depressive disorder: The contribution of neuroimaging studies. <b>2010</b> , 11, 165-180	91
975	Dynamic functional reorganization of the motor execution network after stroke. <b>2010</b> , 133, 1224-38	428

974	Intrinsic functional connectivity as a tool for human connectomics: theory, properties, and optimization. <b>2010</b> , 103, 297-321	1375
973	Prefrontal-related functional connectivities within the default network are modulated by COMT val158met in healthy young adults. <b>2010</b> , 30, 64-9	78
972	Central pattern generators for orofacial movements and speech. <b>2010</b> , 19, 351-369	4
971	EMD strategy for activation detection in functional MRI of the human brain. 2010,	1
970	Neural correlates of bimanual anti-phase and in-phase movements in Parkinson's disease. <b>2010</b> , 133, 2394-409	129
969	Exploration, visualization, and preprocessing of high-dimensional data. <b>2010</b> , 620, 267-84	6
968	Resting-state functional network correlates of psychotic symptoms in schizophrenia. <b>2010</b> , 117, 21-30	279
967	The interrelationship of dopamine D2-like receptor availability in striatal and extrastriatal brain regions in healthy humans: a principal component analysis of [18F]fallypride binding. <b>2010</b> , 51, 53-62	46
966	Abnormal functional connectivity of default mode sub-networks in autism spectrum disorder patients. <b>2010</b> , 53, 247-56	462
965	Slow EEG pattern predicts reduced intrinsic functional connectivity in the default mode network: an inter-subject analysis. <b>2010</b> , 53, 239-46	77
964	A novel approach to activation detection in fMRI based on empirical mode decomposition. <b>2010</b> , 9, 407-27	6
963	Deriving difference between the Bayesian networks based patterns of the effective connectivity using permutation test in fMRI studies. <b>2010</b> ,	1
962	Principal component analysis of dynamic fluorescence diffuse optical tomography images. <b>2010</b> , 18, 6300-14	35
961	Topographic mapping of rapid transitions in EEG multiple frequencies: EEG frequency domain of operational synchrony. <b>2010</b> , 68, 207-24	12
960	Linear and nonlinear information flow based on time-delayed mutual information method and its application to corticomuscular interaction. <b>2010</b> , 121, 392-401	49
959	Exploring the brain network: a review on resting-state fMRI functional connectivity. <b>2010</b> , 20, 519-34	1915
958	Sources of group differences in functional connectivity: an investigation applied to autism spectrum disorder. <b>2010</b> , 49, 401-14	148
957	Development of a new tool to correlate stroke outcome with infarct topography: a proof-of-concept study. <b>2010</b> , 49, 127-33	43

## (2011-2010)

956	A common functional brain network for autobiographical, episodic, and semantic memory retrieval. <b>2010</b> , 49, 865-74	196
955	The integration of large-scale neural network modeling and functional brain imaging in speech motor control. <b>2010</b> , 52, 862-74	144
954	Effective connectivity of neural networks in automatic movements in Parkinson's disease. <b>2010</b> , 49, 2581-7	82
953	Functional connectivity: shrinkage estimation and randomization test. <b>2010</b> , 49, 3005-14	43
952	Multi-area neural mass modeling of EEG and MEG signals. <b>2010</b> , 52, 793-811	36
951	Statistical Methods in Molecular Biology. <b>2010</b> ,	10
950	Spectral clustering of resting state fMRI reveals default mode network with specifically reduced network homogeneity in major depression. <b>2010</b> ,	1
949	Application of Granger causality analysis to effective connectivity of the default-mode network. <b>2010</b> ,	1
948	Why traditional expository teachinglearning approaches may founder? An experimental examination of neural networks in biology learning. <b>2011</b> , 45, 83-92	3
947	Analysis of multimodal neuroimaging data. <b>2011</b> , 4, 26-58	98
946	How reliable are the functional connectivity networks of MEG in resting states?. 2011, 106, 2888-95	48
945	Exploracili de la red cerebral: una revisili de la conectividad funcional en la RMf en estado de reposo. <b>2011</b> , 18, 28-41	9
944	Graph-theoretical analysis reveals disrupted small-world organization of cortical thickness correlation networks in temporal lobe epilepsy. <b>2011</b> , 21, 2147-57	330
943	Magnetic resonance imaging postprocessing techniques in the study of brain connectivity. <b>2011</b> , 53, 236-245	5
942	New and emerging imaging techniques for mapping brain circuitry. <b>2011</b> , 67, 226-51	21
941	A wavelet-based method for measuring the oscillatory dynamics of resting-state functional connectivity in MEG. <b>2011</b> , 56, 69-77	55
940	Decoding brain states from fMRI connectivity graphs. <b>2011</b> , 56, 616-26	222
939	Functional connectivity of the insula in the resting brain. <b>2011</b> , 55, 8-23	551

938	Effective connectivity of brain networks during self-initiated movement in Parkinson's disease. <b>2011</b> , 55, 204-15		160
937	Functional and effective connectivity: a review. <b>2011</b> , 1, 13-36		1872
936	Decreased cortical connectivity and information flow in type 1 diabetes. <b>2011</b> , 122, 1943-50		24
935	Persistent operational synchrony within brain default-mode network and self-processing operations in healthy subjects. <b>2011</b> , 75, 79-90		50
934	Neuroimaging biomarkers of epileptogenesis. <b>2011</b> , 497, 194-204		21
933	Development of a variational scheme for model inversion of multi-area model of brain. Part I: simulation evaluation. <b>2011</b> , 229, 64-75		2
932	Developing connections for affective regulation: age-related changes in emotional brain connectivity. <b>2011</b> , 108, 607-20		145
931	Development of biomarkers for multiple sclerosis as a neurodegenerative disorder. <b>2011</b> , 95, 670-85		40
930	Recent developments of functional magnetic resonance imaging research for drug development in Alzheimer's disease. <b>2011</b> , 95, 570-8		18
929	Magnetic resonance imaging and graph theoretical analysis of complex brain networks in neuropsychiatric disorders. <b>2011</b> , 1, 349-65		74
928	Resting state fMRI reveals increased subthalamic nucleus-motor cortex connectivity in Parkinson's disease. <b>2011</b> , 55, 1728-38		184
927	EEG-fMRI Multimodal Integration for Epilepsy Research. 2011,		
926	Magnetoencephalography as a putative biomarker for Alzheimer's disease. <b>2011</b> , 2011, 280289		40
925	Impaired cerebellar functional connectivity in schizophrenia patients and their healthy siblings. <b>2011</b> , 2, 73		74
924	A combined robotic and cognitive training for locomotor rehabilitation: evidences of cerebral functional reorganization in two chronic traumatic brain injured patients. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 146	3.3	24
923	Functional connectivity in relation to motor performance and recovery after stroke. <b>2011</b> , 5, 8		82
922	The role of long-range connectivity for the characterization of the functional-anatomical organization of the cortex. <b>2011</b> , 5, 58		37
921	Assessing the influence of different ROI selection strategies on functional connectivity analyses of fMRI data acquired during steady-state conditions. <b>2011</b> , 6, e14788		48

920	Effects of hypoperfusion in Alzheimer's disease. <b>2011</b> , 26 Suppl 3, 123-33	135
919	Cortical reorganization in Bell's palsy. <b>2011</b> , 29, 203-14	28
918	Brain hodotopy: from esoteric concept to practical surgical applications. <b>2011</b> , 68, 1709-23; discussion 1723	133
917	A small-world brain functional network of Chinese characters processing with local functional cliques and long-distance connections. <b>2011</b> ,	
916	The generalized shrinkage estimator for the analysis of functional connectivity of brain signals. <b>2011</b> , 5,	36
915	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. <b>2011</b> , 33, 1256-63	21
914	Inter-hemispheric functional connectivity disruption in children with prenatal alcohol exposure. <b>2011</b> , 35, 849-61	40
913	Sex steroids and connectivity in the human brain: a review of neuroimaging studies. <b>2011</b> , 36, 1101-13	137
912	[Magnetic resonance imaging postprocessing techniques in the study of brain connectivity]. <b>2011</b> , 53, 236-45	3
911	Activelets: Wavelets for sparse representation of hemodynamic responses. <b>2011</b> , 91, 2810-2821	38
910	Failure to segregate emotional processing from cognitive and sensorimotor processing in major depression. <b>2011</b> , 193, 144-50	15
909	Electrophysiological imaging of brain activity and connectivity-challenges and opportunities. <b>2011</b> , 58, 1918-31	194
908	Cortical activation and lamina terminalis functional connectivity during thirst and drinking in humans. <b>2011</b> , 301, R623-31	29
907	Investigating human audio-visual object perception with a combination of hypothesis-generating and hypothesis-testing fMRI analysis tools. <b>2011</b> , 213, 309-20	8
906	Het verbonden brein. <b>2011</b> , 15, 3-14	1
905	Toward dysfunctional connectivity: a review of neuroimaging findings in pediatric major depressive disorder. <b>2011</b> , 5, 307-28	128
904	Functional connectivity of cortical motor areas in the resting state in Parkinson's disease. <b>2011</b> , 32, 1443-57	141
903	Altered default mode network connectivity in Alzheimer's diseasea resting functional MRI and Bayesian network study. <b>2011</b> , 32, 1868-81	141

902	Anxiety positive subjects show altered processing in the anterior insula during anticipation of negative stimuli. <b>2011</b> , 32, 1836-46	80
901	Specifying the neurobiological basis of human attachment: brain, hormones, and behavior in synchronous and intrusive mothers. <b>2011</b> , 36, 2603-15	378
900	Global and system-specific resting-state fMRI fluctuations are uncorrelated: principal component analysis reveals anti-correlated networks. <b>2011</b> , 1, 496-510	83
899	Abnormalities in resting-state functional connectivity in early human immunodeficiency virus infection. <b>2011</b> , 1, 207-17	75
898	Dual-compartment neurofluidic system for electrophysiological measurements in physically segregated and functionally connected neuronal cell culture. <b>2011</b> , 4, 13	49
897	Functional connectivity in the prefrontal cortex measured by near-infrared spectroscopy during ultrarapid object recognition. <b>2011</b> , 16, 016008	29
896	Recent advances in understanding the neural bases of autism spectrum disorder. <b>2011</b> , 23, 628-32	43
895	Resting-state functional connectivity assessed with two diffuse optical tomographic systems. <b>2011</b> , 16, 046006	36
894	Can we measure memes?. <b>2011</b> , 3, 1	29
893	The Subject at Rest: Novel conceptualizations of self and brain from cognitive neuroscience's study of the Besting state [2011, 4, 227-257]	26
892	Reorganization of cerebral networks after stroke: new insights from neuroimaging with connectivity approaches. <b>2011</b> , 134, 1264-76	387
891	Learn the effective connectivity pattern of attention networks: a resting functional MRI and Bayesian network study. <b>2011</b> ,	
890	Global functional connectivity deficits in schizophrenia depend on behavioral state. <b>2011</b> , 31, 12972-81	50
889	Modules and brain mapping. <b>2011</b> , 28, 241-50	40
888	Maximum multiple-correlation beamformer for estimating source connectivities in electromagnetic brain activities. <b>2011</b> , 2011, 5024-7	1
887	Functional connectivity in the brain: effects of anesthesia. <b>2011</b> , 17, 94-106	52
886	A comprehensive study of whole-brain functional connectivity in children and young adults. <b>2011</b> , 21, 385-91	112
885	Disrupted functional brain connectivity during verbal working memory in children and adolescents with schizophrenia. <b>2011</b> , 21, 510-8	34

# (2012-2012)

884	Quitting-unmotivated and quitting-motivated cigarette smokers exhibit different patterns of cue-elicited brain activation when anticipating an opportunity to smoke. <b>2012</b> , 121, 198-211	51
883	Applications of New Technologies and New Methods in ZHENG Differentiation. <b>2012</b> , 2012, 298014	15
882	The Limbic-Prefrontal Network Modulated by Electroacupuncture at CV4 and CV12. <b>2012</b> , 2012, 515893	19
881	Functional and structural MR imaging in neuropsychiatric disorders, Part 1: imaging techniques and their application in mild cognitive impairment and Alzheimer disease. <b>2012</b> , 33, 1845-50	30
880	The Efficiency of a Small-World Functional Brain Network. <b>2012</b> , 29, 048702	1
879	Context-dependent changes in functional connectivity of auditory cortices during the perception of object words. <b>2012</b> , 24, 2108-19	22
878	Brain connectivity networks in schizophrenia underlying resting state functional magnetic resonance imaging. <b>2012</b> , 12, 2415-25	96
877	Time course of cortical plasticity after facial nerve palsy: a single-case study. <b>2012</b> , 26, 197-203	28
876	Brain structural and functional connectivity and the progression of neuropathology in Alzheimer's disease. <b>2013</b> , 33 Suppl 1, S163-72	26
875	Feeling without seeing? Engagement of ventral, but not dorsal, amygdala during unaware exposure to emotional faces. <b>2012</b> , 24, 531-42	14
874	Low frequency analysis of resting-state fMRI. <b>2012</b> ,	
873	Functional brain connectivity as revealed by singular spectrum analysis. <b>2012</b> , 2012, 5186-9	4
872	Functional connectivity analysis of cortical networks in Functional Near Infrared Spectroscopy using phase synchronization. <b>2012</b> , 2012, 5182-5	3
871	Functional connectivity during resting-state functional MR imaging: study of the correspondence between independent component analysis and region-of-interest-based methods. <b>2012</b> , 33, 180-7	85
870	Connectivity between perisylvian and bilateral basal temporal cortices. 2012, 22, 918-25	45
869	Association of a GSK-3[polymorphism with brain resting-state function in amnestic-type mild cognitive impairment. <b>2012</b> , 32, 387-96	9
868	Functional magnetic resonance imaging. 410-469	
867	Connectivity-based structural and functional parcellation of the human cortex using diffusion imaging and tractography. <b>2012</b> , 6, 34	51

866	Resting-state functional connectivity bias of middle temporal gyrus and caudate with altered gray matter volume in major depression. <b>2012</b> , 7, e45263	92
865	Evaluating stationarity via change-point alternatives with applications to fMRI data. 2012, 6,	39
864	Early math achievement and functional connectivity in the fronto-parietal network. <b>2012</b> , 2 Suppl 1, S139-51	60
863	Depressive symptoms in prodromal Huntington's Disease correlate with Stroop-interference related functional connectivity in the ventromedial prefrontal cortex. <b>2012</b> , 203, 166-74	30
862	Directed Transform Function approach for functional network analysis in resting state fMRI data of Parkinson disease. <b>2012</b> ,	1
861	Functional magnetic resonance imaging: focus localization. <b>2012</b> , 107, 369-85	3
860	Temporal and instantaneous connectivity of default mode network estimated using Gaussian Bayesian network frameworks. <b>2012</b> , 513, 62-6	5
859	Impaired cortico-striatal functional connectivity in prodromal Huntington's Disease. <b>2012</b> , 514, 204-9	73
858	Functional and effective connectivity of anterior insula in anorexia nervosa and bulimia nervosa. <b>2012</b> , 521, 152-7	78
857	GMAC: a Matlab toolbox for spectral Granger causality analysis of fMRI data. <b>2012</b> , 42, 943-56	15
856	Advanced MR imaging techniques and characterization of residual anatomy. <b>2012</b> , 114, 460-70	19
855	Measuring and manipulating brain connectivity with resting state functional connectivity magnetic resonance imaging (fcMRI) and transcranial magnetic stimulation (TMS). <b>2012</b> , 62, 2232-43	222
854	Exploration and modulation of brain network interactions with noninvasive brain stimulation in combination with neuroimaging. <b>2012</b> , 35, 805-25	110
853	Messages from the brain connectivity regarding neural correlates of consciousness. <b>2012</b> , 21, 113-22	7
852	A geometric view of global signal confounds in resting-state functional MRI. 2012, 59, 2339-48	74
851	Performance-based connectivity analysis: a path to convergence with clinical studies. <b>2012</b> , 59, 2316-21	12
850	SPM: a history. <b>2012</b> , 62, 791-800	277
849	Neuroimaging of the periaqueductal gray: state of the field. <b>2012</b> , 60, 505-22	243

### (2012-2012)

848	Subspace-based Identification Algorithm for characterizing causal networks in resting brain. <b>2012</b> , 60, 1236-49	8
847	Ultrafast inverse imaging techniques for fMRI. <b>2012</b> , 62, 699-705	25
846	Dynamic connectivity regression: determining state-related changes in brain connectivity. <b>2012</b> , 61, 907-20	190
845	Application of principal component analysis to study topography of hypoxic-ischemic brain injury. <b>2012</b> , 62, 300-6	4
844	Changes in the brain intrinsic organization in both on-task state and post-task resting state. <b>2012</b> , 62, 394-407	71
843	Electrophysiological and functional connectivity of the human supplementary motor area. <b>2012</b> , 62, 250-65	40
842	Determining functional connectivity using fMRI data with diffusion-based anatomical weighting. <b>2012</b> , 62, 1769-79	54
841	Lateralization of responses to vibrissal stimulation: connectivity and information integration in the rat sensory-motor cortex assessed with fMRI. <b>2012</b> , 62, 2101-9	8
840	Top-down and bottom-up attention-to-memory: mapping functional connectivity in two distinct networks that underlie cued and uncued recognition memory. <b>2012</b> , 63, 1343-52	32
839	Connectivity analysis of novelty process in habitual short sleepers. <b>2012</b> , 63, 1001-10	3
838	Diminished language lateralization in schizophrenia corresponds to impaired inter-hemispheric functional connectivity. <b>2012</b> , 134, 131-6	43
837	Never resting regionmPFC in schizophrenia. <b>2012</b> , 140, 155-8	10
836	Metabolic brain covariant networks as revealed by FDG-PET with reference to resting-state fMRI networks. <b>2012</b> , 2, 275-83	105
835	Functional connectivity measured with magnetoencephalography identifies persons with HIV disease. <b>2012</b> , 6, 366-73	27
834	A review of functional magnetic resonance imaging for Brainnetome. <b>2012</b> , 28, 389-98	15
833	Neural Correlates of Human Sleep and Sleep-Dependent Memory Processing. 2012, 165-186	
833 832	Neural Correlates of Human Sleep and Sleep-Dependent Memory Processing. 2012, 165-186  Inside a synesthete's head: a functional connectivity analysis with grapheme-color synesthetes. 2012, 50, 3363-9	20

830	Functional connectivity profile of the human inferior frontal junction: involvement in a cognitive control network. <b>2012</b> , 13, 119	43
829	Analysis of group ICA-based connectivity measures from fMRI: application to Alzheimer's disease. <b>2012</b> , 7, e49340	8
828	Resting-state connectivity of the sustained attention network correlates with disease duration in idiopathic generalized epilepsy. <b>2012</b> , 7, e50359	21
827	The effects of psychosis risk variants on brain connectivity: a review. <b>2012</b> , 3, 18	11
826	Using large-scale neural models to interpret connectivity measures of cortico-cortical dynamics at millisecond temporal resolution. <b>2011</b> , 5, 102	16
825	MR connectomics: a conceptual framework for studying the developing brain. <b>2012</b> , 6, 43	76
824	Detection of inter-hemispheric functional connectivity in motor cortex with coherence analysis. <b>2012</b> , 7,	3
823	Neuroimaging biomarkers in bipolar disorder. <b>2012</b> , E4, 593-606	31
822	Neural correlates of cognitive ability. <b>2012</b> , 90, 1299-309	23
821	Magnetic resonance imaging of the substantia nigra in Parkinson's disease. <b>2012</b> , 27, 822-30	62
820	Functional alterations of large-scale brain networks related to cognitive control in obsessive-compulsive disorder. <b>2012</b> , 33, 1089-106	63
819	Intrinsic functional connectivity of the human medial temporal lobe suggests a distinction between adjacent MTL cortices and hippocampus. <b>2012</b> , 22, 2290-302	23
818	Neuroimaging of Wernicke's encephalopathy and Korsakoff's syndrome. <b>2012</b> , 22, 170-80	67
817	It was the best of times, it was the worst of times: a psychophysiologist's view of cognitive aging. <b>2012</b> , 49, 283-304	102
816	Tracking cognitive fluctuations with multivoxel pattern time course (MVPTC) analysis. 2012, 50, 479-86	11
815	Multi-voxel patterns of visual category representation during episodic encoding are predictive of subsequent memory. <b>2012</b> , 50, 458-69	77
814	Group replicator dynamics: a novel group-wise evolutionary approach for sparse brain network detection. <b>2012</b> , 31, 576-85	11
813	A longitudinal functional connectivity analysis of the amygdala in bipolar I disorder across mood states. <b>2012</b> , 14, 175-84	81

812	An efficient method for effective connectivity of brain regions. <b>2012</b> , 40A, 14-24	2
811	Relationship between functional connectivity and sensory impairment: red flag or red herring?. <b>2012</b> , 33, 628-38	27
810	Learning-Related Changes in Adolescents[Neural Networks During Hypothesis-Generating and Hypothesis-Understanding Training. <b>2012</b> , 21, 1-31	13
809	The equivalence of linear Gaussian connectivity techniques. <b>2013</b> , 34, 1999-2014	7
808	Perceptual plasticity is mediated by connectivity changes of the medial thalamic nucleus. <b>2013</b> , 34, 2343-52	11
807	Functional anatomy of cortical areas characterized by Von Economo neurons. <b>2013</b> , 218, 1-20	48
806	Principal components of functional connectivity: a new approach to study dynamic brain connectivity during rest. <b>2013</b> , 83, 937-50	275
805	Positron Emission Tomography. <b>2013</b> ,	14
804	Performance analysis of univariate and multivariate EEG measurements in the diagnosis of ADHD. <b>2013</b> , 124, 1139-50	20
803	Oxytocin, brain physiology, and functional connectivity: a review of intranasal oxytocin fMRI studies. <b>2013</b> , 38, 962-74	212
802	Neurotoxic saboteurs: straws that break the hippo's (hippocampus) back drive cognitive impairment and Alzheimer's Disease. <b>2013</b> , 24, 407-59	41
801	Resting state functional connectivity associated with trait emotional intelligence. <b>2013</b> , 83, 318-28	43
800	The functional anatomy of Gilles de la Tourette syndrome. <b>2013</b> , 37, 1050-62	151
799	Correlated activation of the thalamocortical network in a simple learning paradigm. <b>2013</b> , 252, 293-301	1
798	Structural and functional brain changes related to different types of physical activity across the life span. <b>2013</b> , 37, 2268-95	241
797	Functional MRI to assess alterations of functional networks in response to pharmacological or genetic manipulations of the serotonergic system in mice. <b>2013</b> , 74, 326-36	17
796	Improving functional connectivity detection in FMRI by combining sparse dictionary learning and canonical correlation analysis. <b>2013</b> ,	17
795	Assessing Graph Properties and Dynamics of the Functional Brain Networks in Alzheimer's Disease. <b>2013</b> ,	1

794	Analysing connectivity with Granger causality and dynamic causal modelling. <b>2013</b> , 23, 172-8	401
793	Von Economo neurons: clinical and evolutionary perspectives. <b>2013</b> , 49, 312-26	83
792	. 2013,	10
791	Computational Techniques for Characterizing Cognition Using EEG Data INew Approaches. <b>2013</b> , 22, 699-708	10
790	fMRI assessment of thalamocortical connectivity during attentional performance. 2013, 31, 1112-8	9
789	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
788	Multivariate statistical analyses for neuroimaging data. <b>2013</b> , 64, 499-525	137
787	Consciousness as a phenomenon in the operational architectonics of brain organization: Criticality and self-organization considerations. <b>2013</b> , 55, 13-31	62
786	"More is different" in functional magnetic resonance imaging: a review of recent data analysis techniques. <b>2013</b> , 3, 223-39	19
785	Learning and comparing functional connectomes across subjects. <b>2013</b> , 80, 405-15	144
785 784	Learning and comparing functional connectomes across subjects. <b>2013</b> , 80, 405-15  Brain connectivity and visual attention. <b>2013</b> , 3, 317-38	144
784	Brain connectivity and visual attention. <b>2013</b> , 3, 317-38  A pairwise maximum entropy model accurately describes resting-state human brain networks. <b>2013</b>	66
7 <sup>8</sup> 4	Brain connectivity and visual attention. <b>2013</b> , 3, 317-38  A pairwise maximum entropy model accurately describes resting-state human brain networks. <b>2013</b> , 4, 1370	66 94
784 783 782	Brain connectivity and visual attention. 2013, 3, 317-38  A pairwise maximum entropy model accurately describes resting-state human brain networks. 2013, 4, 1370  Resting-state functional connectivity in normal brain aging. 2013, 37, 384-400  Somatotopic mapping of natural upper- and lower-extremity movements and speech production	<ul><li>66</li><li>94</li><li>345</li></ul>
784 783 782 781	Brain connectivity and visual attention. 2013, 3, 317-38  A pairwise maximum entropy model accurately describes resting-state human brain networks. 2013, 4, 1370  Resting-state functional connectivity in normal brain aging. 2013, 37, 384-400  Somatotopic mapping of natural upper- and lower-extremity movements and speech production with high gamma electrocorticography. 2013, 81, 164-177	<ul><li>66</li><li>94</li><li>345</li><li>39</li></ul>
784 783 782 781 780	Brain connectivity and visual attention. 2013, 3, 317-38  A pairwise maximum entropy model accurately describes resting-state human brain networks. 2013, 4, 1370  Resting-state functional connectivity in normal brain aging. 2013, 37, 384-400  Somatotopic mapping of natural upper- and lower-extremity movements and speech production with high gamma electrocorticography. 2013, 81, 164-177  Imaging human connectomes at the macroscale. 2013, 10, 524-39  Enhanced frontoparietal network architectures following "gaze-contingent" versus "free-hand"	<ul><li>66</li><li>94</li><li>345</li><li>39</li><li>294</li></ul>

# (2013-2013)

776	Quantifying temporal correlations: a test-retest evaluation of functional connectivity in resting-state fMRI. <b>2013</b> , 65, 231-41	45
775	Prefrontal executive function associated coupling relates to Huntington's disease stage. <b>2013</b> , 49, 2661-73	26
774	RAD51 deficiency disrupts the corticospinal lateralization of motor control. <b>2013</b> , 136, 3333-46	52
773	Influence of acupuncture stimulation on cerebral network in functional diarrhea. <b>2013</b> , 2013, 975769	18
772	Resting state magnetoencephalography functional connectivity in traumatic brain injury. <b>2013</b> , 118, 1306-16	61
771	Global functional connectivity abnormalities in children with fetal alcohol spectrum disorders. <b>2013</b> , 37, 748-56	62
770	Is there "one" DLPFC in cognitive action control? Evidence for heterogeneity from co-activation-based parcellation. <b>2013</b> , 23, 2677-89	246
769	Operational Architectonics Methodology for EEG Analysis: Theory and Results. <b>2013</b> , 1-59	17
768	Ictal-onset localization through connectivity analysis of intracranial EEG signals in patients with refractory epilepsy. <b>2013</b> , 54, 1409-18	90
767	A graph-theoretical analysis algorithm for quantifying the transition from sensory input to motor output by an emotional stimulus. <b>2013</b> , 2013, 1374-7	2
766	Resting state functional connectivity based on principal component transformation of cortical fMRI measurements. <b>2013</b> ,	1
765	Dynamics of brain networks in the aesthetic appreciation. <b>2013</b> , 110 Suppl 2, 10454-61	87
764	Identification of disease-related spatial covariance patterns using neuroimaging data. 2013,	33
763	Determination of vascular dementia brain in distinct frequency bands with whole brain functional connectivity patterns. <b>2013</b> , 8, e54512	15
762	Functional connectivity in wakefulness and sleep. 105-113	
761	Abnormal brain functional connectivity of the hypothalamus in cluster headaches. <b>2013</b> , 8, e57896	44
760	Opposite effective connectivity in the posterior cingulate and medial prefrontal cortex between first-episode schizophrenic patients with suicide risk and healthy controls. <b>2013</b> , 8, e63477	26
759	Convergent Findings of Altered Functional and Structural Brain Connectivity in Individuals with High Functioning Autism: A Multimodal MRI Study. <b>2013</b> , 8, e67329	102

75 <sup>8</sup>	Bayesian network analysis reveals alterations to default mode network connectivity in individuals at risk for Alzheimer's disease. <b>2013</b> , 8, e82104		22
757	Detecting functional connectivity change points for single-subject fMRI data. <b>2013</b> , 7, 143		69
756	Hierarchical vector auto-regressive models and their applications to multi-subject effective connectivity. <b>2013</b> , 7, 159		17
755	Imaging structural and functional brain networks in temporal lobe epilepsy. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 624	3.3	145
754	Discriminative analysis of non-linear brain connectivity in schizophrenia: an fMRI Study. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 702	3.3	43
753	Brain connectivity plasticity in the motor network after ischemic stroke. <b>2013</b> , 2013, 924192		44
75 <sup>2</sup>	Motor Parkinson's disease and structure. 26-43		
751	Neuroimaging of wakefulness. 91-95		
75°	Neuroimaging Connectivity Analyses and Their Application in Psychiatric Research. 2014, 2522-2537		
749	Temporal reliability and lateralization of the resting-state language network. <b>2014</b> , 9, e85880		44
748	First-episode medication-naive major depressive disorder is associated with altered resting brain function in the affective network. <b>2014</b> , 9, e85241		62
747	Disruptions in brain networks of older fallers are associated with subsequent cognitive decline: a 12-month prospective exploratory study. <b>2014</b> , 9, e93673		27
746	Altered activity and functional connectivity of superior temporal gyri in anxiety disorders: a functional magnetic resonance imaging study. <b>2014</b> , 15, 523-9		10
745	The age-related posterior-anterior shift as revealed by voxelwise analysis of functional brain networks. <b>2014</b> , 6, 301		30
744	A pooling-LiNGAM algorithm for effective connectivity analysis of fMRI data. <b>2014</b> , 8, 125		10
743	Neural correlates of verbal creativity: differences in resting-state functional connectivity associated with expertise in creative writing. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 516	3.3	18
742	Does co-morbid obsessive-compulsive disorder modify the abnormal language processing in schizophrenia patients? An FMRI study. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 560	3.3	8
741	Meeting the brain on its own terms. Frontiers in Human Neuroscience, <b>2014</b> , 8, 815	3.3	10

### (2014-2014)

740	Dynamic connectivity states estimated from resting fMRI Identify differences among Schizophrenia, bipolar disorder, and healthy control subjects. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> 3.3, 8, 897	271
739	Regional and inter-regional effects in evolving climate networks. <b>2014</b> , 21, 451-462	17
738	A review of the use of magnetic resonance imaging in Parkinson's disease. <b>2014</b> , 7, 206-20	79
737	Brain Imaging Analysis. <b>2014</b> , 1, 61-85	26
736	Modulation of resting state functional connectivity of the motor network by transcranial pulsed current stimulation. <b>2014</b> , 4, 157-65	6
735	State of the Art: Mathematical Approaches in Brain Science. <b>2014</b> , 11-32	
734	A statistical method of identifying interactions in neuron-glia systems based on functional multicell Ca2+ imaging. <b>2014</b> , 10, e1003949	7
733	Towards a Theory of Brain Structure and Function. <b>2014</b> , 109-140	
732	Vulnerability of the ventral language network in children with focal epilepsy. 2014, 137, 2245-57	23
731	Semi-supervised clustering for parcellating brain regions based on resting state fMRI data. 2014,	1
730	Connectivity measurements for network imaging. <b>2014</b> , 21, 315-30	5
729	Electrophysiology and Psychophysiology in Psychiatry and Psychopharmacology. 2014,	1
728	Three-dimensional mean-shift edge bundling for the visualization of functional connectivity in the brain. <b>2014</b> , 20, 471-80	41
727	Recent Advances in Neuroimaging Biomarkers of Schizophrenia. <b>2014</b> , 71-103	1
726	Lateralization of brain activity during motor planning of proximal and distal gestures. 2014, 272, 226-37	14
7 <del>2</del> 5	The role of anterior midcingulate cortex in cognitive motor control: evidence from functional connectivity analyses. <b>2014</b> , 35, 2741-53	108
724	Immediate changes after manual therapy in resting-state functional connectivity as measured by functional magnetic resonance imaging in participants with induced low back pain. <b>2014</b> , 37, 614-27	50
7 <del>2</del> 3	Functional connectivity changes within specific networks parallel the clinical evolution of multiple sclerosis. <b>2014</b> , 20, 1050-7	34

Photoacoustic imaging of an inflammatory lesion model in the neonatal rat brain. **2014**,

721	Prefrontal brain network connectivity indicates degree of both schizophrenia risk and cognitive dysfunction. <b>2014</b> , 40, 653-64	51
720	The Human Connectome: Linking Structure and Function in the Human Brain. 2014, 401-428	
719	Hemodynamic and electrophysiological spontaneous low-frequency oscillations in the cortex: directional influences revealed by Granger causality. <b>2014</b> , 85 Pt 2, 810-22	10
718	Evaluation of spatio-temporal decomposition techniques for group analysis of fMRI resting state data sets. <b>2014</b> , 87, 363-82	10
717	A preliminary study of functional connectivity of medication nalle children with obsessive-compulsive disorder. <b>2014</b> , 53, 129-36	18
716	Trait-like differences in underlying oscillatory state predict individual differences in the TMS-evoked response. <b>2014</b> , 7, 234-42	3
715	Thalamocortical connectivity during resting state in schizophrenia. <b>2014</b> , 264, 111-9	83
714	Group-constrained sparse fMRI connectivity modeling for mild cognitive impairment identification. <b>2014</b> , 219, 641-56	113
713	Time domain measures of inter-channel EEG correlations: a comparison of linear, nonparametric and nonlinear measures. <b>2014</b> , 8, 1-15	54
712	A review of EEG and MEG for brainnetome research. <b>2014</b> , 8, 87-98	19
711	A preliminary study on the effects of acute ethanol ingestion on default mode network and temporal fractal properties of the brain. <b>2014</b> , 27, 291-301	20
710	Strengthening connections: functional connectivity and brain plasticity. <b>2014</b> , 24, 63-76	71
709	The implications of brain connectivity in the neuropsychology of autism. <b>2014</b> , 24, 16-31	150
708	Searchlight-based multi-voxel pattern analysis of fMRI by cross-validated MANOVA. <b>2014</b> , 89, 345-57	64
707	White matter alterations in bipolar disorder: potential for drug discovery and development. <b>2014</b> , 16, 97-112	52
706	Increased resting functional connectivity of the medial prefrontal cortex in creativity by means of cognitive stimulation. <b>2014</b> , 51, 92-102	116
705	Working memory dysfunction in schizophrenia patients with obsessive-compulsive symptoms: an fMRI study. <b>2014</b> , 29, 160-6	28

704	A SVM-based quantitative fMRI method for resting-state functional network detection. <b>2014</b> , 32, 819-31	10
703	Individual differences in brain structure and resting-state functional connectivity associated with type A behavior pattern. <b>2014</b> , 272, 217-28	7
702	Neural pathway in the right hemisphere underlies verbal insight problem solving. 2014, 256, 334-41	20
701	A New Foundation for Representation in Cognitive and Brain Science. <b>2014</b> ,	3
700	Development of a model for measuring scientific processing skills based on brain-imaging technology: focused on the experimental design process. <b>2014</b> , 48, 188-195	2
699	Slow fluctuations in eye position and resting-state functional magnetic resonance imaging brain activity during visual fixation. <b>2014</b> , 40, 3828-35	10
698	Local sparse component analysis for blind source separation: an application to resting state FMRI. <b>2014</b> , 2014, 5611-4	1
697	Functional parcellation of the hippocampus by clustering resting state fMRI signals. 2014,	5
696	The effects of deefferentation without deafferentation on functional connectivity in patients with facial palsy. <b>2014</b> , 6, 26-31	23
695	Optimizing affinity measures for parcellating brain structures based on resting state fMRI data: a validation on medial superior frontal cortex. <b>2014</b> , 237, 90-102	9
694	Preoperative functional mapping for rolandic brain tumor surgery. <b>2014</b> , 583, 136-41	25
693	Tracing the evolution of multi-scale functional networks in a mouse model of depression using persistent brain network homology. <b>2014</b> , 101, 351-63	47
692	Functional brain connectivity from EEG in epilepsy: seizure prediction and epileptogenic focus localization. <b>2014</b> , 121, 19-35	165
691	Fast construction of voxel-level functional connectivity graphs. <b>2014</b> , 15, 78	5
690	A novel approach for fMRI data analysis based on the combination of sparse approximation and affinity propagation clustering. <b>2014</b> , 32, 736-46	14
689	A Generalized Least-Square Matrix Decomposition. <b>2014</b> , 109, 145-159	62
688	Imaging functional and structural brain connectomics in attention-deficit/hyperactivity disorder. <b>2014</b> , 50, 1111-23	98
687	Distribution of tract deficits in schizophrenia. <b>2014</b> , 14, 99	40

686	Diabetes mellitus and disturbances in brain connectivity: a bidirectional relationship?. <b>2014</b> , 16, 658-68	23
685	Diagnostic classification based on functional connectivity in chronic pain: model optimization in fibromyalgia and rheumatoid arthritis. <b>2014</b> , 21, 369-77	23
684	A multivariate analysis of age-related differences in functional networks supporting conflict resolution. <b>2014</b> , 86, 150-63	23
683	Constructing fMRI connectivity networks: a whole brain functional parcellation method for node definition. <b>2014</b> , 228, 86-99	11
682	Somatotopic reorganization of hand representation in bilateral arm amputees with or without special foot movement skill. <b>2014</b> , 1546, 9-17	13
681	Identifying and characterizing resting state networks in temporally dynamic functional connectomes. <b>2014</b> , 27, 747-65	8
680	Off-line consolidation of motor sequence learning results in greater integration within a cortico-striatal functional network. <b>2014</b> , 99, 50-8	54
679	Abnormal metabolic connectivity in the pilocarpine-induced epilepsy rat model: a multiscale network analysis based on persistent homology. <b>2014</b> , 99, 226-36	37
678	Does the resting state connectivity have hemispheric asymmetry? A near-infrared spectroscopy study. <b>2014</b> , 85 Pt 1, 400-7	53
677	Assessing the function of the fronto-parietal attention network: insights from resting-state fMRI and the attentional network test. <b>2014</b> , 35, 1700-9	90
676	Cortical Amyloid Beta in Cognitively Normal Elderly Adults is Associated with Decreased Network Efficiency within the Cerebro-Cerebellar System. <b>2014</b> , 6, 52	17
675	Data-driven shrinkage of the spectral density matrix of a high-dimensional time series. <b>2014</b> , 8,	11
674	Eigenconnectivities of dynamic functional networks: Consistency across subjects. 2014,	Ο
673	Introduction to Brain Stimulation. <b>2015</b> , 1-12	1
672	Functional resting state networks characterization through global network measurements for patients with disorders of consciousness. <b>2015</b> ,	1
671	Automated iterative reclustering framework for determining hierarchical functional networks in resting state fMRI. <b>2015</b> , 36, 3303-22	6
670	Research review: Functional brain connectivity and child psychopathologyoverview and methodological considerations for investigators new to the field. <b>2015</b> , 56, 400-14	15
669	Electroencephalography signatures of attention-deficit/hyperactivity disorder: clinical utility. <b>2015</b> , 11, 2755-69	10

668	Age-Related Changes in Inter-Network Connectivity by Component Analysis. <b>2015</b> , 7, 237	12
667	A multimodal approach for determining brain networks by jointly modeling functional and structural connectivity. <b>2015</b> , 9, 22	23
666	Analyzing the association between functional connectivity of the brain and intellectual performance. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 61	46
665	Evaluating the effect of aging on interference resolution with time-varying complex networks analysis. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 255	12
664	Identification of functional networks in resting state fMRI data using adaptive sparse representation and affinity propagation clustering. <b>2015</b> , 9, 383	18
663	A spectral graph regression model for learning brain connectivity of Alzheimer's disease. <b>2015</b> , 10, e0128136	20
662	Reduced Functional Connectivity of Default Mode and Set-Maintenance Networks in Ornithine Transcarbamylase Deficiency. <b>2015</b> , 10, e0129595	3
661	Connectivity Study of the Neuromechanism of Acute Acupuncture Needling during fMRI in "Overweight" Subjects. <b>2015</b> , 2015, 384389	10
660	A Window into the Brain: Advances in Psychiatric fMRI. <b>2015</b> , 2015, 542467	7
659	Noninvasive functional and anatomical imaging of the human medial temporal lobe. <b>2015</b> , 7, a021840	8
658	Optogenetics. 2015,	10
657	Resting-state fMRI functional connectivity: a new perspective to evaluate pain modulation in migraine?. <b>2015</b> , 36 Suppl 1, 41-5	27
656	Recovering HRFs from overlapping ROIs in fMRI data using thresholding correlations for sparse dictionary learning. <b>2015</b> , 2015, 5756-9	
655	Sparse dictionary learning for fMRI analysis using autocorrelation maximization. <b>2015</b> , 2015, 4286-9	2
654	Unsupervised detrending technique using sparse dictionary learning for fMRI preprocessing and analysis. <b>2015</b> ,	
653	Reduced language connectivity in pediatric epilepsy. <b>2015</b> , 56, 273-82	10
652	Recollection-related increases in functional connectivity predict individual differences in memory accuracy. <b>2015</b> , 35, 1763-72	92
651	Functional connectivity in the resting-state motor networks influences the kinematic processes during motor sequence learning. <b>2015</b> , 41, 243-53	21

650	Local dimension-reduced dynamical spatio-temporal models for resting state network estimation. <b>2015</b> , 2, 53-63	3
649	Brain Structure and Resting-State Functional Connectivity in University Professors with High Academic Achievement. <b>2015</b> , 27, 139-150	7
648	Subcortical processing in auditory communication. <b>2015</b> , 328, 67-77	32
647	Network-level reorganisation of functional connectivity following arm amputation. <b>2015</b> , 114, 217-25	73
646	Interpreting support vector machine models for multivariate group wise analysis in neuroimaging. <b>2015</b> , 24, 190-204	35
645	Modulating reconsolidation: a link to causal systems-level dynamics of human memories. <b>2015</b> , 19, 475-82	43
644	Disrupted resting-state attentional networks in T2DM patients. <i>Scientific Reports</i> , <b>2015</b> , 5, 11148 4.9	40
643	Brain networks governing the golf swing in professional golfers. <b>2015</b> , 33, 1980-7	21
642	Development of Adult-Generated Cell Connectivity with Excitatory and Inhibitory Cell Populations in the Hippocampus. <b>2015</b> , 35, 10600-12	61
641	Minimum connected component IA novel approach to detection of cognitive load induced changes in functional brain networks. <b>2015</b> , 170, 15-31	16
640	Principal-component analysis of particle motion. <b>2015</b> , 91, 042308	1
639	Gaussian process classification of Alzheimer's disease and mild cognitive impairment from resting-state fMRI. <b>2015</b> , 112, 232-243	116
638	Bilingualism alters brain functional connectivity between "control" regions and "language" regions: Evidence from bimodal bilinguals. <b>2015</b> , 71, 236-47	40
637	Resting-state whole-brain functional connectivity networks for MCI classification using L2-regularized logistic regression. <b>2015</b> , 14, 237-47	43
636	Cognitive Effort and Schizophrenia Modulate Large-Scale Functional Brain Connectivity. <b>2015</b> , 41, 1360-9	11
635	Neural Correlates of Motor Skill Acquisition and Consolidation. <b>2015</b> , 493-500	2
634	Gradual emergence of spontaneous correlated brain activity during fading of general anesthesia in rats: Evidences from fMRI and local field potentials. <b>2015</b> , 114, 185-98	54
633	Love-related changes in the brain: a resting-state functional magnetic resonance imaging study.  Frontiers in Human Neuroscience, 2015, 9, 71  3-3	31

# (2015-2015)

632	The predictive validity of neonatal MRI for neurodevelopmental outcome in very preterm children. <b>2015</b> , 39, 147-58	76
631	Social interactions elicit rapid shifts in functional connectivity in the social decision-making network of zebrafish. <b>2015</b> , 282, 20151099	53
630	The transsexual brainA review of findings on the neural basis of transsexualism. <b>2015</b> , 59, 251-66	111
629	Alterations of EEG functional connectivity in resting state obese and overweight patients with binge eating disorder: A preliminary report. <b>2015</b> , 607, 120-124	11
628	Functional Magnetic Resonance Imaging Methods. <b>2015</b> , 25, 289-313	75
627	Constrained Tensor Decomposition via Guidance: Increased Inter and Intra-Group Reliability in fMRI Analyses. <b>2015</b> , 361-369	1
626	Group Factor Analysis. <b>2015</b> , 26, 2136-47	50
625	Online visualization of brain connectivity. <b>2015</b> , 256, 106-16	7
624	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
623	The contribution of TMS-EEG coregistration in the exploration of the human cortical connectome. <b>2015</b> , 49, 114-24	121
622	Finding imaging patterns of structural covariance via Non-Negative Matrix Factorization. 2015, 108, 1-16	56
621	Supervised Discriminative Group Sparse Representation for Mild Cognitive Impairment Diagnosis. <b>2015</b> , 13, 277-95	37
620	Hydrochemical characteristics of groundwater movement and evolution in the Xinli deposit of the Sanshandao gold mine using FCM and PCA methods. <b>2015</b> , 73, 7873-7888	20
619	The Kraepelinian dichotomy viewed by neuroimaging. <b>2015</b> , 41, 330-5	14
618	Probabilistic Maps of Visual Topography in Human Cortex. <b>2015</b> , 25, 3911-31	302
617	Functional integration between brain regions at rest occurs in multiple-frequency bands. <b>2015</b> , 5, 23-34	121
616	Scalp EEG brain functional connectivity networks in pediatric epilepsy. <b>2015</b> , 56, 158-66	34
615	Development of human brain cortical network architecture during infancy. <b>2015</b> , 220, 1173-86	173

614	Physiology of functional and effective networks in epilepsy. <b>2015</b> , 126, 227-36		71
613	Depression, neuroimaging and connectomics: a selective overview. <b>2015</b> , 77, 223-235		279
612	Differences in functional connectivity between alcohol dependence and internet gaming disorder. <b>2015</b> , 41, 12-9		36
611	Deep Brain Stimulation: The Perspective of Brain Connectivity. 2016,		
610	Imaging Brain Networks for Language: Methodology and Examples from the Neurobiology of Reading. <b>2016</b> , 805-814		4
609	Compensation through Functional Hyperconnectivity: A Longitudinal Connectome Assessment of Mild Traumatic Brain Injury. <b>2016</b> , 2016, 4072402		32
608	A Novel Brain Network Construction Method for Exploring Age-Related Functional Reorganization. <b>2016</b> , 2016, 2429691		6
607	Multi-Dimensional Dynamics of Human Electromagnetic Brain Activity. <i>Frontiers in Human Neuroscience</i> , <b>2015</b> , 9, 713	3.3	35
606	Differing Patterns of Altered Slow-5 Oscillations in Healthy Aging and Ischemic Stroke. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 156	3.3	13
605	Altered Effective Connectivity among Core Neurocognitive Networks in Idiopathic Generalized Epilepsy: An fMRI Evidence. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 447	3.3	11
604	Hybrid PET/MR Imaging and Brain Connectivity. <b>2016</b> , 10, 64		34
603	An Evolutionary Computation Approach to Examine Functional Brain Plasticity. <b>2016</b> , 10, 146		9
602	Network functional connectivity and whole-brain functional connectomics to investigate cognitive decline in neurodegenerative conditions. <b>2016</b> , 31, 191-203		19
601	Representing object categories by connections: Evidence from a mutivariate connectivity pattern classification approach. <b>2016</b> , 37, 3685-97		15
600	Multiscale modeling of brain dynamics: from single neurons and networks to mathematical tools. <b>2016</b> , 8, 438-58		16
599	High-order resting-state functional connectivity network for MCI classification. <b>2016</b> , 37, 3282-96		144
598	. 2016,		1
597	Seizure onset zone localization from many invasive EEG channels using directed functional connectivity. <b>2016</b> ,		2

# (2016-2016)

596	Estimation of resting state effective connectivity in epilepsy using direct-directed transfer function. <b>2016</b> , 2016, 716-719	4
595	Sex differences in the functional connectivity of the amygdalae in association with cortisol. <b>2016</b> , 134, 410-423	40
594	Different involvement of subregions within dorsal premotor and medial frontal cortex for pro- and antisaccades. <b>2016</b> , 68, 256-269	21
593	Modern Methods for Interrogating the Human Connectome. <b>2016</b> , 22, 105-19	19
592	Aberrant Spontaneous and Task-Dependent Functional Connections in the Anxious Brain. 2016, 1, 278-287	20
591	Recovery of slow-5 oscillations in a longitudinal study of ischemic stroke patients. <b>2016</b> , 11, 398-407	6
590	Space-by-time decomposition for single-trial decoding of M/EEG activity. <b>2016</b> , 133, 504-515	13
589	Advanced Connectivity Analysis (ACA): a Large Scale Functional Connectivity Data Mining Environment. <b>2016</b> , 14, 191-9	5
588	Implication of the Slow-5 Oscillations in the Disruption of the Default-Mode Network in Healthy Aging and Stroke. <b>2016</b> , 6, 482-95	13
587	Repetitive transcranial magnetic stimulation for treatment resistant depression: Re-establishing connections. <b>2016</b> , 127, 3394-3405	37
586	. <b>2016</b> , 1-1	21
585	Dynamic Causal Modeling of Brain Responses. <b>2016</b> , 241-264	1
584	Machine learning as a means toward precision diagnostics and prognostics. <b>2016</b> , 299-334	2
583	Multimodal analysis of cortical chemoarchitecture and macroscale fMRI resting-state functional connectivity. <b>2016</b> , 37, 3103-13	27
582	Predicting the transition from normal aging to Alzheimer's disease: A statistical mechanistic evaluation of FDG-PET data. <b>2016</b> , 141, 282-290	27
581	Blind Source Separation for Unimodal and Multimodal Brain Networks: A Unifying Framework for Subspace Modeling. <b>2016</b> , 10, 1134-1149	13
580	Anxious personality and functional efficiency of the insular-opercular network: A graph-analytic approach to resting-state fMRI. <b>2016</b> , 16, 1039-1049	20
579	. 2016,	13

578	Brain Network Mechanisms Underlying Motor Enhancement by Transcranial Entrainment of Gamma Oscillations. <b>2016</b> , 36, 12053-12065	68
577	FUNCTIONAL CONNECTIVITY ANALYSIS FOR THALASSEMIA DISEASE BASED ON A GRAPHICAL LASSO MODEL. <b>2016</b> , 2016, 1295-1298	3
576	Tau and Alimaging, CSF measures, and cognition in Alzheimer's disease. <b>2016</b> , 8, 338ra66	418
575	Extraversion and neuroticism related to the resting-state effective connectivity of amygdala.  Scientific Reports, <b>2016</b> , 6, 35484  4.9	30
574	Anatomical and Functional Brain Network Architecture in Schizophrenia. 2016, 313-336	0
573	Arm crossing updates brain functional connectivity of the left posterior parietal cortex. <i>Scientific Reports</i> , <b>2016</b> , 6, 28105	6
572	Typical and Atypical Brain Development Across the Life Span in a Neural Network Model of Psychopathology. <b>2016</b> , 1-75	
571	Dysfunctional Sensory Modalities, Locus Coeruleus, and Basal Forebrain: Early Determinants that Promote Neuropathogenesis of Cognitive and Memory Decline and Alzheimer's Disease. <b>2016</b> , 30, 295-337	10
570	Coherence a measure of the brain networks: past and present. <b>2016</b> , 2,	119
569	Cognitive state following mild stroke: A matter of hippocampal mean diffusivity. <b>2016</b> , 26, 161-9	13
568	State-space model with deep learning for functional dynamics estimation in resting-state fMRI. <b>2016</b> , 129, 292-307	163
567	Intrinsic brain abnormalities in irritable bowel syndrome and effect of anxiety and depression. <b>2016</b> , 10, 1127-1134	45
566	EEG alpha frequency correlates of burnout and depression: The role of gender. <b>2016</b> , 114, 1-12	24
565	Partial Correlation-Based Retinotopically Organized Resting-State Functional Connectivity Within and Between Areas of the Visual Cortex Reflects More Than Cortical Distance. <b>2016</b> , 6, 57-75	12
564	Intrinsic functional network architecture of human semantic processing: Modules and hubs. <b>2016</b> , 132, 542-555	70
563	Resting-state functional connectivity of the default mode network associated with happiness. <b>2016</b> , 11, 516-24	47
562	A cross-modal, cross-species comparison of connectivity measures in the primate brain. <b>2016</b> , 125, 311-331	50
561	Callosal anatomical and effective connectivity between primary motor cortices predicts visually cued bimanual temporal coordination performance. <b>2016</b> , 221, 3427-43	16

# (2017-2016)

560	Regional Homogeneity: A Multimodal, Multiscale Neuroimaging Marker of the Human Connectome. <b>2016</b> , 22, 486-505	144
559	Testing a dual-systems model of adolescent brain development using resting-state connectivity analyses. <b>2016</b> , 124, 409-420	87
558	Electrophysiological measures of resting state functional connectivity and their relationship with working memory capacity in childhood. <b>2016</b> , 19, 19-31	21
557	Resting-State Functional Connectivity Changes Between Dentate Nucleus and Cortical Social Brain Regions in Autism Spectrum Disorders. <b>2017</b> , 16, 283-292	62
556	Mapping the functional connectome traits of levels of consciousness. <b>2017</b> , 148, 201-211	73
555	Increased gamma connectivity during working memory retention following traumatic brain injury. <b>2017</b> , 31, 379-389	8
554	Estimate the effective connectivity in multi-coupled neural mass model using particle swarm optimization. <b>2017</b> , 469, 89-101	3
553	Connectivity strength-weighted sparse group representation-based brain network construction for MCI classification. <b>2017</b> , 38, 2370-2383	53
552	A variance components model for statistical inference on functional connectivity networks. <b>2017</b> , 149, 256-266	13
551	A Test of Hypotheses for Random Graph Distributions Built from EEG Data. <b>2017</b> , 4, 75-82	3
550	A resource for assessing information processing in the developing brain using EEG and eye tracking. <b>2017</b> , 4, 170040	27
549	Identification of breast cancer prognostic modules based on weighted protein-protein interaction networks. <b>2017</b> , 13, 3935-3941	3
548	Resting-State Functional Connectivity in Generalized Anxiety Disorder and Social Anxiety Disorder: Evidence for a Dimensional Approach. <b>2017</b> , 7, 289-298	27
547	Test-retest reliability of prefrontal transcranial Direct Current Stimulation (tDCS) effects on functional MRI connectivity in healthy subjects. <b>2017</b> , 155, 187-201	27
546	Functional connectivity in the resting brain as biological correlate of the Affective Neuroscience Personality Scales. <b>2017</b> , 147, 423-431	29
545	Large-scale DCMs for resting-state fMRI. <b>2017</b> , 1, 222-241	85
544	Hierarchical High-Order Functional Connectivity Networks and Selective Feature Fusion for MCI Classification. <b>2017</b> , 15, 271-284	23
543	Dynamic brain connectivity is a better predictor of PTSD than static connectivity. <b>2017</b> , 38, 4479-4496	55

542	Injured Brains and Adaptive Networks: The Benefits and Costs of Hyperconnectivity. 2017, 21, 385-401	130
54 <sup>1</sup>	PTSD and cognitive symptoms relate to inhibition-related prefrontal activation and functional connectivity. <b>2017</b> , 34, 427-436	45
540	Sequential Dictionary Learning From Correlated Data: Application to fMRI Data Analysis. <b>2017</b> , 26, 3002-3015	21
539	Higher interference susceptibility in reaction time task is accompanied by weakened functional dissociation between salience and default mode network. <b>2017</b> , 649, 34-40	9
538	Screening of autism based on task-free fMRI using graph theoretical approach. 2017, 263, 48-56	26
537	A Bayesian Double Fusion Model for Resting-State Brain Connectivity Using Joint Functional and Structural Data. <b>2017</b> , 7, 219-227	12
536	. <b>2017</b> , 9, 293-303	24
535	Abnormal cortical asymmetry as a target for neuromodulation in neuropsychiatric disorders: A narrative review and concept proposal. <b>2017</b> , 83, 21-31	2
534	Adapted estimate of neural activity based on blood-oxygen-level dependent signal by a model-free spatio-temporal clustering analysis. <b>2017</b> , 43, 6-14	1
533	Quality prediction modeling for multistage manufacturing based on classification and association rule mining. <b>2017</b> , 123, 00029	11
532	Contribution of transcranial magnetic stimulation to assessment of brain connectivity and networks. <b>2017</b> , 128, 2125-2139	83
531	Shared atypical default mode and salience network functional connectivity between autism and schizophrenia. <b>2017</b> , 10, 1776-1786	37
530	18F-FDG PET diagnostic and prognostic patterns do not overlap in Alzheimer's disease (AD) patients at the mild cognitive impairment (MCI) stage. <b>2017</b> , 44, 2073-2083	19
529	Correlation between the Functional Connectivity of Brain Areas Active in the Resting State with Behavioral and Psychological Indicators. <b>2017</b> , 47, 1128-1139	1
528	Sample heterogeneity in unipolar depression as assessed by functional connectivity analyses is dominated by general disease effects. <b>2017</b> , 222, 79-87	9
527	Memory performance-related dynamic brain connectivity indicates pathological burden and genetic risk for Alzheimer's disease. <b>2017</b> , 9, 24	26
526	Extraction of dynamic functional connectivity from brain grey matter and white matter for MCI classification. <b>2017</b> , 38, 5019-5034	96
525	Changed crossmodal functional connectivity in older adults with hearing loss. <b>2017</b> , 86, 109-122	31

524	Quantifying functional connectivity in multi-subject fMRI data using component models. 2017, 38, 882-899	16
523	Bayesian vector autoregressive model for multi-subject effective connectivity inference using multi-modal neuroimaging data. <b>2017</b> , 38, 1311-1332	12
522	Cortical multisensory connectivity is present near birth in humans. 2017, 11, 1207-1213	10
521	Depression and anxiety symptoms are associated to disruption of default mode network in subacute ischemic stroke. <b>2017</b> , 11, 1571-1580	29
520	Efficient hubs in the intelligent brain: Nodal efficiency of hub regions in the salience network is associated with general intelligence. <b>2017</b> , 60, 10-25	51
519	Brain Information Flow Analysis Based on Partial Directed Coherence on Sustained Attention across Sensory Channels. <b>2017</b> ,	1
518	Increased prefrontal cortex connectivity during cognitive challenge assessed by fNIRS imaging. <b>2017</b> , 8, 3842-3855	36
517	A Removal of Eye Movement and Blink Artifacts from EEG Data Using Morphological Component Analysis. <b>2017</b> , 2017, 1861645	32
516	Modafinil-Induced Changes in Functional Connectivity in the Cortex and Cerebellum of Healthy Elderly Subjects. <b>2017</b> , 9, 85	6
515	Age-Related Changes in Perirhinal Cortex Sensitivity to Configuration and Part Familiarity and Connectivity to Visual Cortex. <b>2017</b> , 9, 291	6
514	Classification of Cognitive Level of Patients with Leukoaraiosis on the Basis of Linear and Non-Linear Functional Connectivity. <b>2017</b> , 8, 2	5
513	Altered Functional Connectivity Following an Inflammatory White Matter Injury in the Newborn Rat: A High Spatial and Temporal Resolution Intrinsic Optical Imaging Study. <b>2017</b> , 11, 358	7
512	Test-Retest Reliability of "High-Order" Functional Connectivity in Young Healthy Adults. <b>2017</b> , 11, 439	34
511	Alzheimer Classification Using a Minimum Spanning Tree of High-Order Functional Network on fMRI Dataset. <b>2017</b> , 11, 639	27
510	Depression Disorder Classification of fMRI Data Using Sparse Low-Rank Functional Brain Network and Graph-Based Features. <b>2017</b> , 2017, 3609821	23
509	Cognitive dysfunction in major depression and Alzheimer's disease is associated with hippocampal-prefrontal cortex dysconnectivity. <b>2017</b> , 13, 1509-1519	57
508	Sparse coding reveals greater functional connectivity in female brains during naturalistic emotional experience. <b>2017</b> , 12, e0190097	3
507	Learning Pairwise-Similarity Guided Sparse Functional Connectivity Network for MCI Classification. <b>2018</b> , 2017, 917-922	1

506	How to Perform and Interpret Functional Magnetic Resonance Imaging Studies in Functional Gastrointestinal Disorders. <b>2017</b> , 23, 197-207	7
505	Susceptibility of brain atrophy to in Alzheimer's disease, evidence from functional prioritization in imaging genetics. <b>2018</b> , 115, 3162-3167	25
504	Clustering fMRI data with a robust unsupervised learning algorithm for neuroscience data mining. <b>2018</b> , 299, 45-54	9
503	An asymptotic theory for cross-correlation between auto-correlated sequences and its application on neuroimaging data. <b>2018</b> , 304, 52-65	
502	Neonatal brain resting-state functional connectivity imaging modalities. <b>2018</b> , 10, 1-19	39
501	Ordinal Pattern: A New Descriptor for Brain Connectivity Networks. 2018, 37, 1711-1722	20
500	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns. <b>2018</b> , 180, 243-252	14
499	Functional connectivity corresponding to the tonotopic differentiation of the human auditory cortex. <b>2018</b> , 39, 2224-2234	4
498	Multifractal dynamics of resting-state functional connectivity in the prefrontal cortex. 2018, 39, 024003	17
497	Metabolic correlates of reserve and resilience in MCI due to Alzheimer's Disease (AD). <b>2018</b> , 10, 35	16
496	Influences of Hunger, Satiety and Oral Glucose on Functional Brain Connectivity: A Multimethod Resting-State fMRI Study. <b>2018</b> , 382, 80-92	17
495	Application of Graph Theory to Assess Static and Dynamic Brain Connectivity: Approaches for Building Brain Graphs. <b>2018</b> , 106, 886-906	30
494	The salience network and human personality: Integrity of white matter tracts within anterior and posterior salience network relates to the self-directedness character trait. <b>2018</b> , 1692, 66-73	6
493	A method to assess randomness of functional connectivity matrices. <b>2018</b> , 303, 146-158	6
492	Optogenetic dissection of ictogenesis: in search of a targeted anti-epileptic therapy. <b>2018</b> , 15, 041001	5
491	Dopamine D4 Receptor Gene Associated with the Frontal-Striatal-Cerebellar Loop in Children with ADHD: A Resting-State fMRI Study. <b>2018</b> , 34, 497-506	20
490	Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the Autocorrelation Issue. <b>2018</b> , 8, 139-165	11
489	Examining dynamic functional relationships in a pathological brain using evolutionary computation. <b>2018</b> , 22, 2341-2368	1

488	Just a thought: How mind-wandering is represented in dynamic brain connectivity. 2018, 180, 505-514	68
487	Removal of artifacts from resting-state fMRI data in stroke. <b>2018</b> , 17, 297-305	21
486	Temporospatial Encoding of Acupuncture Effects in the Brain. <b>2018</b> , 31-60	1
485	Dual-echo ASL based assessment of motor networks: a feasibility study. <b>2018</b> , 15, 026018	3
484	Enhanced Brain Network Activity in Complex Movement Rhythms: A Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography Study. <b>2018</b> , 8, 68-81	4
483	Altered intrinsic and extrinsic connectivity in schizophrenia. 2018, 17, 704-716	35
482	Resting state dynamic functional connectivity: Network topology analysis. <b>2018</b> , 23, 43-53	2
481	The Identification of Hail Storms in the Early Stage Using Time Series Analysis. <b>2018</b> , 123, 929-947	7
480	Affective Network Neuroscience. <b>2018</b> , 12, 895	8
479	Brain regional homogeneity and function connectivity in attenuated psychosis syndrome -based on a resting state fMRI study. <b>2018</b> , 18, 383	3
478	Perspective: Prospects of non-invasive sensing of the human brain with diffuse optical imaging. <b>2018</b> , 3,	19
477	Reproducible Neural Network Simulations: Statistical Methods for Model Validation on the Level of Network Activity Data. <b>2018</b> , 12, 90	12
476	Altered functional connectivity of primary visual cortex in late blindness. 2018, 14, 3317-3327	19
475	Evaluating the Strength of Structural Connectivity Underlying Brain Functional Networks. <b>2018</b> , 8, 579-594	3
474	Music and Brain Plasticity: How Sounds Trigger Neurogenerative Adaptations. 2018,	5
473	Multifractal Dynamic Functional Connectivity in the Resting-State Brain. <b>2018</b> , 9, 1704	22
472	Alterations in Brain Network Topology and Structural-Functional Connectome Coupling Relate to Cognitive Impairment. <b>2018</b> , 10, 404	22
471	Automatic Recognition of Resting State fMRI Networks with Dictionary Learning. 2018, 249-259	3

470	Analysis of Alzheimer's Disease Based on the Random Neural Network Cluster in fMRI. <b>2018</b> , 12, 60	22
469	Role of Frontostriatal Connectivity in Adolescents With Excessive Smartphone Use. <b>2018</b> , 9, 437	19
468	Chaotic and Fast Audiovisuals Increase Attentional Scope but Decrease Conscious Processing. <b>2018</b> , 394, 83-97	6
467	Prominent Changes in Cerebro-Cerebellar Functional Connectivity During Continuous Cognitive Processing. <b>2018</b> , 12, 331	15
466	Functional connectivity of intrinsic cognitive networks during resting state and task performance in preadolescent children. <b>2018</b> , 13, e0205690	4
465	Connectivity Fingerprints: From Areal Descriptions to Abstract Spaces. <b>2018</b> , 22, 1026-1037	83
464	Advances in MRI Methodology. 2018, 141, 31-76	51
463	Mapping the Cortical Network Arising From Up-Regulated Amygdaloidal Activation Using -Louvain Algorithm. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2018</b> , 26, 1169-1177	3
462	Functional Connectivity Magnetic Resonance Imaging Reveals Rapid and Reversible Changes in the Brain Following Induction of Psoriasiform Dermatitis in Mice. <b>2018</b> , 3, 59-64	
461	fMRI classification method with multiple feature fusion based on minimum spanning tree analysis. <b>2018</b> , 277, 14-27	8
460	Left temporal lobe language network connectivity in temporal lobe epilepsy. <b>2018</b> , 141, 2406-2418	38
459	A general prediction model for the detection of ADHD and Autism using structural and functional MRI. <b>2018</b> , 13, e0194856	72
458	Brain Network Studies in Chronic Disorders of Consciousness: Advances and Perspectives. <b>2018</b> , 34, 592-604	17
457	Altered electroencephalography functional connectivity in depression during the emotional face-word Stroop task. <b>2018</b> , 15, 056014	6
456	A brain network model for depression: From symptom understanding to disease intervention. <b>2018</b> , 24, 1004-1019	87
455	Brain network profiling defines functionally specialized cortical networks. <b>2018</b> , 39, 4689-4706	6
454	A Mobile Health System for Neurocognitive Impairment Evaluation Based on P300 Detection. <b>2018</b> , 2, 1-21	2
453	Multiple Approaches to the Investigation of Cell Assembly in Memory Research-Present and Future. <b>2018</b> , 12, 21	7

452	What We Know About the Brain Structure-Function Relationship. 2018, 8,		56
45 <sup>1</sup>	Changes in patterns of neural activity underlie a time-dependent transformation of memory in rats and humans. <b>2018</b> , 28, 745-764		25
450	Intrinsic overlapping modular organization of human brain functional networks revealed by a multiobjective evolutionary algorithm. <b>2018</b> , 181, 430-445		9
449	Influence of Time-Series Normalization, Number of Nodes, Connectivity and Graph Measure Selection on Seizure-Onset Zone Localization from Intracranial EEG. <b>2018</b> , 31, 753-766		7
448	Network Neuroscience and Personality. <b>2018</b> , 1, e14		23
447	Localization of the Epileptogenic Zone Using Interictal MEG and Machine Learning in a Large Cohort of Drug-Resistant Epilepsy Patients. <b>2018</b> , 9, 647		19
446	A longitudinal model for functional connectivity networks using resting-state fMRI. <b>2018</b> , 178, 687-701		16
445	Estimating the functional dimensionality of neural representations. <b>2018</b> , 179, 51-62		15
444	Art and brain coevolution. 2018, 237, 41-60		1
443	Computational Methods for Analyzing Functional and Effective Brain Network Connectivity Using fMRI. <b>2019</b> , 101-112		
442	Brain functional connectivity in individuals with callosotomy and agenesis of the corpus callosum: A systematic review. <b>2019</b> , 105, 231-248		18
441	Application of Multivariate Statistical Analysis to Identify Water Sources in A Coastal Gold Mine, Shandong, China. <b>2019</b> , 11, 3345		13
440	Characterizing Whole Brain Temporal Variation of Functional Connectivity via Zero and First Order Derivatives of Sliding Window Correlations. <b>2019</b> , 13, 634		12
439	Immunotoxicity and transcriptome analysis of zebrafish embryos in response to glufosinate-ammonium exposure. <b>2019</b> , 236, 124423		22
438	A New Approach for Functional Connectivity via Alignment of Blood Oxygen Level-Dependent Signals. <b>2019</b> , 9, 464-474		3
437	Accelerated Discovery of Two-Dimensional Optoelectronic Octahedral Oxyhalides via High-Throughput Calculations and Machine Learning. <b>2019</b> , 10, 6734-6740		20
436	Brainstem Modulation of Large-Scale Intrinsic Cortical Activity Correlations. <i>Frontiers in Human Neuroscience</i> , <b>2019</b> , 13, 340	3.3	21

434	Ecological responses to the coastal exploitation of urban agglomerations along the Pearl River Estuary. <b>2019</b> , 14, 124008	1
433	Pattern Analysis of the Human Connectome. <b>2019</b> ,	2
432	New Perspective for Non-invasive Brain Stimulation Site Selection in Mild Cognitive Impairment: Based on Meta- and Functional Connectivity Analyses. <b>2019</b> , 11, 228	11
431	Resting state network plasticity related to picture naming in low-grade glioma patients before and after resection. <b>2019</b> , 24, 102010	18
430	Long-Term Clinical and Neuronuclear Imaging Sequelae of Cancer Therapy, Trauma, and Brain Injury. <b>2019</b> , 60, 1682-1690	1
429	The Inter-Regional Connectivity Within the Default Mode Network During the Attentional Processes of Internal Focus and External Focus: An fMRI Study of Continuous Finger Force Feedback. <b>2019</b> , 10, 2198	2
428	Inconsistency in Abnormal Functional Connectivity Across Datasets of ADHD-200 in Children With Attention Deficit Hyperactivity Disorder. <b>2019</b> , 10, 692	10
427	Learning to play badminton altered resting-state activity and functional connectivity of the cerebellar sub-regions in adults. <b>2019</b> , 14, e0223234	2
426	Comparison between a pure functional connectivity and a mixed functional-topological model in functional connectivity. An application on parahippocampal gyrus-anterior division data. <b>2019</b> , 54, 101570	1
425	Human cognition involves the dynamic integration of neural activity and neuromodulatory systems. <b>2019</b> , 22, 289-296	182
425 424		182
	<b>2019</b> , 22, 289-296	182
424	2019, 22, 289-296  Prevention of Epileptogenesis in Animal Models. 2019, 135-147  The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With	
424 423	Prevention of Epileptogenesis in Animal Models. 2019, 135-147  The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With Degenerative Cerebellar Atrophy. 2018, 12, 510  Ranking Regions, Edges and Classifying Tasks in Functional Brain Graphs by Sub-Graph Entropy.	44
424 423 422	Prevention of Epileptogenesis in Animal Models. 2019, 135-147  The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With Degenerative Cerebellar Atrophy. 2018, 12, 510  Ranking Regions, Edges and Classifying Tasks in Functional Brain Graphs by Sub-Graph Entropy. Scientific Reports, 2019, 9, 7628  4-9  The effect of cannabidiol (CBD) on low-frequency activity and functional connectivity in the brain of	10
424 423 422 421	Prevention of Epileptogenesis in Animal Models. 2019, 135-147  The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With Degenerative Cerebellar Atrophy. 2018, 12, 510  Ranking Regions, Edges and Classifying Tasks in Functional Brain Graphs by Sub-Graph Entropy. Scientific Reports, 2019, 9, 7628  The effect of cannabidiol (CBD) on low-frequency activity and functional connectivity in the brain of adults with and without autism spectrum disorder (ASD). 2019, 33, 1141-1148	10
424 423 422 421 420	Prevention of Epileptogenesis in Animal Models. 2019, 135-147  The Cerebellar Predictions for Social Interactions: Theory of Mind Abilities in Patients With Degenerative Cerebellar Atrophy. 2018, 12, 510  Ranking Regions, Edges and Classifying Tasks in Functional Brain Graphs by Sub-Graph Entropy. Scientific Reports, 2019, 9, 7628  The effect of cannabidiol (CBD) on low-frequency activity and functional connectivity in the brain of adults with and without autism spectrum disorder (ASD). 2019, 33, 1141-1148  Preface. 2019, xi-xii	10

### (2019-2019)

416	Correlation Networks. <b>2019</b> , 76-107	
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408	Series Expansion of Connectivity Matrices. <b>2019</b> , 269-291	
407	Dynamic Network Models. <b>2019</b> , 292-301	
406	Bibliography. <b>2019</b> , 302-325	
405	Index. <b>2019</b> , 326-330	
404	A Dynamic Multi-Reduction Algorithm for Brain Functional Connection Pathways Analysis. <b>2019</b> , 11, 701	О
403	Disrupted network connectivity in pediatric brain tumor survivors is a signature of injury. <b>2019</b> , 527, 2896-290	19 <sub>5</sub>
402	Application of Graph Theory for Identifying Connectivity Patterns in Human Brain Networks: A Systematic Review. <b>2019</b> , 13, 585	150
401	Functional segregation of executive control network and frontoparietal network in Alzheimer's disease. <b>2019</b> , 120, 36-48	19
400	Adolescents' pubertal development: Links between testosterone, estradiol, and neural reward processing. <b>2019</b> , 114, 104504	1
399	Altered structural and causal connectivity in frontal lobe epilepsy. <b>2019</b> , 19, 70	12

398	Structural and functional brain biomarkers of clinical response to rTMS of medication-resistant auditory hallucinations in schizophrenia patients: study protocol for a randomized sham-controlled double-blind clinical trial. <b>2019</b> , 20, 229	2
397	Analysis of technological knowledge stock and prediction of its future development potential: The case of lithium-ion batteries. <b>2019</b> , 223, 301-311	24
396	Objective analysis and bit rate analysis of HEVC compressed 4D-fMRI images. <b>2019</b> , 29, 283-296	
395	The homotopic connectivity of the functional brain: a meta-analytic approach. <i>Scientific Reports</i> , <b>2019</b> , 9, 3346	22
394	Neuroimaging of Sudden Unexpected Death in Epilepsy (SUDEP): Insights From Structural and Resting-State Functional MRI Studies. <b>2019</b> , 10, 185	26
393	Predicting Task and Subject Differences with Functional Connectivity and Blood-Oxygen-Level-Dependent Variability. <b>2019</b> , 9, 451-463	7
392	Brain network analysis for auditory disease: A twofold study. <b>2019</b> , 347, 230-239	6
391	GABA and glutamate moderate beta-amyloid related functional connectivity in cognitively unimpaired old-aged adults. <b>2019</b> , 22, 101776	15
390	Identifying nonlinear dynamics of brain functional networks of patients with schizophrenia by sample entropy. <b>2019</b> , 96, 2327-2340	16
389	Metabolic patterns across core features in dementia with lewy bodies. <b>2019</b> , 85, 715-725	27
388	The Role of Disturbed Small-World Networks in Patients with White Matter Lesions and Cognitive Impairment Revealed by Resting State Function Magnetic Resonance Images (rs-fMRI). <b>2019</b> , 25, 341-356	12
387	Covariate Assisted Principal regression for covariance matrix outcomes. <b>2021</b> , 22, 629-645	8
386	Bilingualism for Dementia: Neurological Mechanisms Associated With Functional and Structural Changes in the Brain. <b>2019</b> , 13, 1224	7
385	Probing neural networks for dynamic switches of communication pathways. <b>2019</b> , 15, e1007551	4
384	Weaker Inter-hemispheric and Local Functional Connectivity of the Somatomotor Cortex During a Motor Skill Acquisition Is Associated With Better Learning. <b>2019</b> , 10, 1242	4
383	Sample Entropy Combined with the K-Means Clustering Algorithm Reveals Six Functional Networks of the Brain. <b>2019</b> , 21, 1156	4
382	Environmental enrichment effects after early stress on behavior and functional brain networks in adult rats. <b>2019</b> , 14, e0226377	11
381	Normative pathways in the functional connectome. <b>2019</b> , 184, 317-334	6

### (2020-2019)

380	Changes in functional connectivity dynamics with aging: A dynamical phase synchronization approach. <b>2019</b> , 188, 357-368	31
379	Spatial dynamics within and between brain functional domains: A hierarchical approach to study time-varying brain function. <b>2019</b> , 40, 1969-1986	27
378	A survey on applications and analysis methods of functional magnetic resonance imaging for Alzheimer's disease. <b>2019</b> , 317, 121-140	16
377	Dynamic functional network connectivity in Huntington's disease and its associations with motor and cognitive measures. <b>2019</b> , 40, 1955-1968	27
376	The Positive Brain - Resting State Functional Connectivity in Highly Vital and Flourishing Individuals. Frontiers in Human Neuroscience, <b>2018</b> , 12, 540	5
375	Scalable and Robust Tensor Decomposition of Spontaneous Stereotactic EEG Data. <b>2019</b> , 66, 1549-1558	4
374	Recover from the adversity: functional connectivity basis of psychological resilience. <b>2019</b> , 122, 20-27	27
373	An Overview of Functional Magnetic Resonance Imaging Techniques for Organizational Research. <b>2019</b> , 22, 17-45	6
372	The impact of motor impairment on the processing of sensory information. 2019, 359, 701-708	6
371	Neuroimaging correlates of language network impairment and reorganization in temporal lobe epilepsy. <b>2019</b> , 193, 31-44	21
370	Decoding sound categories based on whole-brain functional connectivity patterns. <b>2020</b> , 14, 100-109	2
369	Alteration of metabolic connectivity in a rat model of deafferentation pain: a 18F-FDG PET/CT study. <b>2019</b> , 132, 1295-1303	5
368	Proceedings of 6th International Conference in Software Engineering for Defence Applications. <b>2020</b> ,	
367	On the Parcellation of Functional Magnetic Resonance Images. <b>2020</b> , 325-332	
366	Sex-linked neurofunctional basis of psychological resilience in late adolescence: a resting-state functional magnetic resonance imaging study. <b>2020</b> , 29, 1075-1087	6
365	Functional connectivity underpinning changes in life-space mobility in older adults with mild cognitive impairment: A 12-month prospective study. <b>2020</b> , 378, 112216	4
364	Multi-Hypergraph Learning-Based Brain Functional Connectivity Analysis in fMRI Data. <b>2020</b> , 39, 1746-1758	10
363	Effects of stress on functional connectivity during problem solving. <b>2020</b> , 208, 116407	4

362	Spatially Distributed Amyloid-Reduces Glucose Metabolism in Mild Cognitive Impairment. <b>2020</b> , 73, 543-557	10
361	Cross-modal plasticity in adult single-sided deafness revealed by alpha band resting-state functional connectivity. <b>2020</b> , 207, 116376	8
360	Resting-State Functional Connectivity: Signal Origins and Analytic Methods. <b>2020</b> , 30, 15-23	17
359	Task-Induced Functional Connectivity of the Syntax-Related Networks for Patients with a Cortical Glioma. <b>2020</b> , 1, tgaa061	1
358	Associations between cognitive and brain volume changes in cognitively normal older adults. <b>2020</b> , 223, 117289	15
357	Reduced resting state functional connectivity with increasing age-related hearing loss and McGurk susceptibility. <i>Scientific Reports</i> , <b>2020</b> , 10, 16987	4
356	High-Dimensional Quadratic Discriminant Analysis Under Spiked Covariance Model. <b>2020</b> , 8, 117313-117323	3
355	Functional magnetic resonance imaging evaluation of central sensitization in an experimental model of pain in rats with induced endometriosis. <b>2020</b> , 8, 1286	
354	Cyberspace Data and Intelligence, and Cyber-Living, Syndrome, and Health. 2020,	0
353	Assessing Fine-Granularity Structural and Functional Connectivity in Children With Attention Deficit Hyperactivity Disorder. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 594830	1
352	Topographic property of backpropagation artificial neural network: From human functional connectivity network to artificial neural network. <b>2020</b> , 418, 200-210	7
351	Multifractal and Entropy-Based Analysis of Delta Band Neural Activity Reveals Altered Functional Connectivity Dynamics in Schizophrenia. <b>2020</b> , 14, 49	17
350	Magnetoencephalography Signal Processing, Forward Modeling, Magnetoencephalography Inverse Source Imaging, and Coherence Analysis. <b>2020</b> , 30, 125-143	4
349	Modelling subject variability in the spatial and temporal characteristics of functional modes. <b>2020</b> , 222, 117226	15
348	Psychological resilience is correlated with dynamic changes in functional connectivity within the default mode network during a cognitive task. <i>Scientific Reports</i> , <b>2020</b> , 10, 17760 4.9	3
347	Relationship between Quality of Life and the Complexity of Default Mode Network in Resting State Functional Magnetic Resonance Image in Down Syndrome. <b>2020</b> , 17,	3
346	Functional connectivity and quality of life in young adults with cerebral palsy: a feasibility study. <b>2020</b> , 20, 388	2
345	Typicality of functional connectivity robustly captures motion artifacts in rs-fMRI across datasets, atlases, and preprocessing pipelines. <b>2020</b> , 41, 5325-5340	4

# (2021-2020)

344	A Graph Theory-Based Modeling of Functional Brain Connectivity Based on EEG: A Systematic Review in the Context of Neuroergonomics. <b>2020</b> , 8, 155103-155135	18
343	Partial Similarity Reveals Dynamics in Brainstem-Midbrain Networks during Trigeminal Nociception. <b>2020</b> , 10,	О
342	Default mode network activity in bipolar disorder. <b>2020</b> , 29, e166	12
341	Characterization of the Stages of Creative Writing With Mobile EEG Using Generalized Partial Directed Coherence. <i>Frontiers in Human Neuroscience</i> , <b>2020</b> , 14, 577651	2
340	An imbalance between functional segregation and integration in patients with pontine stroke: A dynamic functional network connectivity study. <b>2020</b> , 28, 102507	6
339	Experimental and Biological Approaches. <b>2020</b> , 91-190	
338	Functional Interplay Between Posterior Parietal Cortex and Hippocampus During Detection of Memory Targets and Non-targets. <b>2020</b> , 14, 563768	2
337	Concepts and Principles of Clinical Functional Magnetic Resonance Imaging. <b>2020</b> , 153-167	
336	UF2C User-Friendly Functional Connectivity: A neuroimaging toolbox for fMRI processing and analyses. <b>2020</b> , 11, 100434	3
335	Integrating TMS, EEG, and MRI as an Approach for Studying Brain Connectivity. <b>2020</b> , 26, 471-486	6
334	Group and Individual fMRI Analysis of the Main Resting State Networks in Healthy Subjects. <b>2020</b> , 50, 288-297	
333	Spinal cord hypermetabolism extends to skeletal muscle in amyotrophic lateral sclerosis: a computational approach to [18F]-fluorodeoxyglucose PET/CT images. <b>2020</b> , 10, 23	9
332	Functional Connectivity Disruption in Frail Older Adults Without Global Cognitive Deficits. <b>2020</b> , 7, 322	1
331	Alterations in Amygdala Connectivity in Internet Addiction Disorder. <i>Scientific Reports</i> , <b>2020</b> , 10, 2370 4.9	6
330	Multi-Level Clustering of Dynamic Directional Brain Network Patterns and Their Behavioral Relevance. <b>2019</b> , 13, 1448	5
329	Functional Changes of Mentalizing Network in SCA2 Patients: Novel Insights into Understanding the Social Cerebellum. <b>2020</b> , 19, 235-242	9
328	Altered spontaneous activity and effective connectivity of the anterior cingulate cortex in obsessive-compulsive disorder. <b>2021</b> , 529, 296-310	1
327	Learning and Processing Multiple Languages: The More the Easier?. <b>2021</b> , 71, 121-162	6

326	Decreased connection density and modularity of functional brain networks during n-back working memory paradigm. <b>2021</b> , 11, e01932	4
325	Anterior cingulate cortex and adaptive control of brain and behavior. <b>2021</b> , 158, 283-309	1
324	Resting-State Functional Network Disturbances in Schizophrenia. <b>2021</b> , 187-215	0
323	Encyclopedia of Autism Spectrum Disorders. <b>2021</b> , 725-727	
322	Functional Connectome Analysis of the Striatum with Optogenetics. <b>2021</b> , 1293, 417-428	1
321	Computational Modeling of Neural Networks of the Human Brain. <b>2021</b> , 1-20	
320	Functionnectome: a framework to analyse the contribution of brain circuits to fMRI.	1
319	Brain functional networks associated with social bonding in monogamous voles. <b>2021</b> , 10,	4
318	The Effect of Media Professionalization on Cognitive Neurodynamics During Audiovisual Cuts. <b>2021</b> , 15, 598383	0
317	Event-Related Coherence in Visual Cortex and Brain Noise: An MEG Study. <b>2021</b> , 11, 375	4
316	Resting-state functional connectivity predicts recovery from visually induced motion sickness. <b>2021</b> , 239, 903-921	0
315	Directed Network Defects in Alzheimer's Disease Using Granger Causality and Graph Theory. <b>2020</b> , 17, 939-947	O
314	Time-delay structure predicts clinical scores for patients with disorders of consciousness using resting-state fMRI. <b>2021</b> , 32, 102797	O
313	Penalized model-based clustering of fMRI data. 2021,	1
312	Associations among education, age, and the dementia with Lewy bodies (DLB) metabolic pattern: A European-DLB consortium project. <b>2021</b> , 17, 1277-1286	3
311	Scale-Free Coupled Dynamics in Brain Networks Captured by Bivariate Focus-Based Multifractal Analysis. <b>2020</b> , 11, 615961	5
310	Shared functional connections within and between cortical networks predict cognitive abilities in adult males and females.	0
309	Efficient high resolution sLORETA in brain source localization. 2020,	O

A Complex Systems Perspective on Neuroimaging Studies of Behavior and Its Disorders. 2021, 1073858421994884 308 Magnetoencephalography: physics, techniques, and applications in the basic and clinical 307 neurosciences. 2021, 125, 938-956 Brain Entropy During Aging Through a Free Energy Principle Approach. Frontiers in Human 306 6 3.3 Neuroscience, **2021**, 15, 647513 Cerebellar involvement in olfaction: An fMRI Study. 2021, 31, 517-523 305 Regional and Temporal Differences in Brain Activity With Morally Good or Bad Judgments in Men: A 304 1 Magnetoencephalography Study. 2021, 15, 596711 Current and Emerging MR Methods and Outcome in Rodent Models of Parkinson's Disease: A 303 Review. 2021, 15, 583678 Impaired intrinsic functional connectivity among medial temporal lobe and sub-regions related to 302 O memory deficits in intracranial dural arteriovenous fistula. 2021, 63, 1679-1687 Open Access: The Effect of Neurorehabilitation on Multiple Sclerosis-Unlocking the Resting-State 301 fMRI Data. 2021, 15, 662784 Time-Frequency Characterization of Resting Brain in Bipolar Disorder during Euthymia-A 300 1 Preliminary Study. 2021, 11, Reactive and Proactive Adaptation of Cognitive and Motor Neural Signals during Performance of a 299 1 Stop-Change Task. **2021**, 11, The Time Varying Networks of the Interoceptive Attention and Rest. 2021, 8, 298 1 Predicting behavior through dynamic modes in resting-state fMRI data. 297 Dissociable plasticity of visual-motor system in functional specialization and flexibility in expert 296 O table tennis players. 2021, 226, 1973-1990 Resting-State Functional Connectivity Analysis for diagnosis of Epilepsy patients. 2021, 295 O Multimodal multilayer network centrality relates to executive functioning. 294 1 Cortical connectivity in the face of congenital structural changes-A case of homozygous LAMC3 293 mutation. 2021, 11, e2241 Sleep deprivation alters task-related changes in functional connectivity of the frontal cortex: A 292 2 near-infrared spectroscopy study. 2021, 11, e02135 Connectome-based model predicts individual psychopathic traits in college students. 291

290	Placebo modulation in orthodontic pain: a single-blind functional magnetic resonance study. <b>2021</b> , 126, 1356-1365		1
289	Functional Disruptions of the Brain in Low Back Pain: A Potential Imaging Biomarker of Functional Disability. <b>2021</b> , 12, 669076		1
288	Unsupervised characterization of dynamic functional connectivity reveals age-associated differences in temporal stability and connectivity states during rest and task.		1
287	Neuroplasticity of second language vocabulary acquisition. <b>2021</b> , 12, 54-81		
286	The default mode network in cognition: a topographical perspective. <b>2021</b> , 22, 503-513		38
285	Constructing high-order functional connectivity network based on central moment features for diagnosis of autism spectrum disorder. <b>2021</b> , 9, e11692		O
284	Higher functional connectivity between prefrontal regions and the dorsal attention network predicts absence of renewal. <b>2021</b> , 412, 113413		
283	Generalizable dimensions of human cortical auditory processing of speech in natural soundscapes: A data-driven ultra high field fMRI approach. <b>2021</b> , 237, 118106		O
282	Connecting the dots: rethinking the relationship between code and prose writing with functional connectivity. <b>2021</b> ,		O
281	Role of the cerebellum in the phenotype of neurodegenerative diseases: Mitigate or exacerbate?. <b>2021</b> , 760, 136105		O
280	Dynamic Time Warping Identifies Functionally Distinct fMRI Resting State Cortical Networks Specific to VTA and SNc: A Proof of Concept. <b>2021</b> ,		
279	Magnetic Resonance Imaging Studies on Acupuncture Therapy in Depression: A Systematic Review. <b>2021</b> , 12, 670739		1
278	Task-Related Brain Connectivity Activation Functional Magnetic Resonance Imaging in Intellectual Disability Population: A Meta-Analytic Study. <b>2021</b> , 11, 788-798		О
277	Sensory, somatomotor and internal mentation networks emerge dynamically in the resting brain with internal mentation predominating in older age. <b>2021</b> , 237, 118188		O
276	A Transdiagnostic Multilevel Examination of Interoceptive Processing in Individuals With a Remote History of Suicidal Behavior. <b>2021</b> , 52, 1080-1092		2
275	Alteration of regional heterogeneity and functional connectivity for obese undergraduates: evidence from resting-state fMRI. <b>2021</b> , 1		O
274	Analysis of Brain Functional Connectivity Neural Circuits in Children With Autism Based on Persistent Homology. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 745671	3.3	1
273	Resting state functional connectivity responses post-mild traumatic brain injury: a systematic review. <b>2021</b> , 1-12		3

272	High Thought Control Ability, High Resilience: The Effect of Temporal Cortex and Insula Connectivity. <b>2021</b> , 472, 60-67	Ο
271	Effective connectivity between emotional and motor brain regions in people with psychogenic nonepileptic seizures (PNES). <b>2021</b> , 122, 108085	1
270	Weighted neurofeedback facilitates greater self-regulation of functional connectivity between the primary motor area and cerebellum. <b>2021</b> , 18,	Ο
269	Functionnectome as a framework to analyse the contribution of brain circuits to fMRI. 2021, 4, 1035	1
268	An extended application <b>B</b> rain Qlprocessing EEG and MEG data of finger stimulation extended from <b>Zeffiro</b> based on machine learning and signal processing. <b>2021</b> , 69, 50-66	1
267	Widespread plasticity of cognition-related brain networks in single-sided deafness revealed by randomized window-based dynamic functional connectivity. <b>2021</b> , 73, 102163	3
266	Double-wavelet transform for multi-subject resting state functional magnetic resonance imaging data. <b>2021</b> , 40, 6762	1
265	What have we really learned from functional connectivity in clinical populations?. <b>2021</b> , 242, 118466	7
264	Trait and state alterations in excitatory connectivity between subgenual anterior cingulate cortex and cerebellum in patients with current and remitted depression. <b>2021</b> , 317, 111356	Ο
263	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm. <b>2021</b> , 16, e0244756	2
262	Voting Data-Driven Regression Learning for Accelerating Discovery of Advanced Functional Materials and Applications to Two-Dimensional Ferroelectric Materials. <b>2021</b> , 12, 973-981	3
261	Study of rapid reorganization of visual neurofunctions with the resting-state functional MRI in pituitary adenoma patients with vision improvement after transsphenoidal surgery. <b>2021</b> , 11, e01917	1
260	Human Functional MRI. <b>2021</b> , 213-236	
259	Encoding Brain Networks Through Geodesic Clustering of Functional Connectivity for Multiple Sclerosis Classification. <b>2021</b> ,	
258	Synchronization and Granger Causality Associated to Audiovisual Cuts. <b>2021</b> , 147-153	
257	Functional Connectivity in the Resting Brain: An Analysis Based on ICA. <b>2006</b> , 175-182	6
256	Brain Functioning When the Voices Are Silent: Aberrant Default Modes in Auditory Verbal Hallucinations. <b>2013</b> , 393-415	1
255	Statistical Parametric Mapping. <b>2003</b> , 237-250	44

254	Clinical application of basal regional cerebral blood flow fluctuation measurements by FMRI. <b>1998</b> , 454, 583-90	13
253	Functional Neuroimaging in Post-Traumatic Stress Disorder. <b>2009</b> , 297-317	5
252	Dynamic Causal Modelling of Brain Responses. <b>2009</b> , 237-261	1
251	Exercise to Prevent Falls in Older Adults with Cognitive Impairment. <b>2020</b> , 273-287	1
250	Discriminative Group Sparse Representation for Mild Cognitive Impairment Classification. 2013, 131-138	19
249	Deriving a multi-subject functional-connectivity atlas to inform connectome estimation. <b>2014</b> , 17, 185-92	4
248	Computational Neuroengineering Approaches to Characterise Cognitive Activity in EEG Data. 2015, 115-137	3
247	Ensemble Hierarchical High-Order Functional Connectivity Networks for MCI Classification. <b>2016</b> , 9901, 18-25	11
246	Comparison of linear and nonlinear functional connectivity in Alcoholic patients. 2007, 1115-1118	1
245	Structural Determinants of Functional Brain Dynamics. 2007, 117-147	14
244	Detection of spatial activation patterns as unsupervised segmentation of fMRI data. 2007, 10, 110-8	27
243	Discovering sparse functional brain networks using group replicator dynamics (GRD). <b>2009</b> , 21, 76-87	6
242	Exploring Functional Connectivity Networks in fMRI Data Using Clustering Analysis. <b>2011</b> , 148-159	1
241	Konnektivit <b>l. 2013</b> , 457-469	3
240	Mining Local Connectivity Patterns in fMRI Data. <b>2013</b> , 305-317	2
239	Guided Learning Algorithms: An Application of Constrained Spectral Partitioning to Functional Magnetic Resonance Imaging (fMRI). <b>2013</b> , 709-716	3
238	Machine Learning Techniques for AD/MCI Diagnosis and Prognosis. <b>2014</b> , 147-179	7

236	Functional connectivity of the anterior cingulate cortex within the human frontal lobe: a brain-mapping meta-analysis. <b>2000</b> , 55-65	5
235	Mining Spatio-Spectro-Temporal Cortical Dynamics: A Guideline for Offline and Online Electrocorticographic Analyses. <b>2013</b> , 39-55	2
234	Optogenetic Analysis of Striatal Connections to Determine Functional Connectomes. <b>2015</b> , 265-277	2
233	A Theory of Hippocampus Structure and Function Based on Category Theory. <b>2014</b> , 141-160	2
232	On the Detection of Activation Patterns Using Principal Components Analysis. 1998, 253-257	7
231	Magnetic Resonance Neurophysiology: Simultaneous EEG and fMRI. <b>2005</b> , 299-314	2
230	Brain Network Analysis. <b>2019</b> ,	2
229	The Connectivity of Orofacial Systems. <b>2009</b> , 19, 28-36	1
228	Extracting brain connectivity. <b>2001</b> , 296-308	2
227	Using ICA for the Analysis of fMRI Data. <b>2010</b> , 135-152	1
227	Using ICA for the Analysis of fMRI Data. <b>2010</b> , 135-152  A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.	1
226	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.  Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the	1
226	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.  Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the Autocorrelation Issue.  Typicality of Functional Connectivity robustly captures motion artifacts in rs-fMRI across datasets,	1
226 225 224	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.  Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the Autocorrelation Issue.  Typicality of Functional Connectivity robustly captures motion artifacts in rs-fMRI across datasets, atlases and preprocessing pipelines.	1 1 0
226 225 224 223	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.  Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the Autocorrelation Issue.  Typicality of Functional Connectivity robustly captures motion artifacts in rs-fMRI across datasets, atlases and preprocessing pipelines.  The diversity and multiplexity of edge communities within and between brain systems.	1 0 3
226 225 224 223	A probabilistic approach to discovering dynamic full-brain functional connectivity patterns.  Sparse Graphical Models for Functional Connectivity Networks: Best Methods and the Autocorrelation Issue.  Typicality of Functional Connectivity robustly captures motion artifacts in rs-fMRI across datasets, atlases and preprocessing pipelines.  The diversity and multiplexity of edge communities within and between brain systems.  Phase-locking of resting-state brain networks with the gastric basal electrical rhythm.  The dynamic basis of cognition: an integrative core under the control of the ascending	1 0 3

218	Topological Data Analysis reveals robust alterations in the whole-brain and frontal lobe functional connectomes in Attention-Deficit/Hyperactivity Disorder.	0
217	Brain functional connectivity modulates social bonding in monogamous voles.	3
216	Neural Oscillations: Understanding a Neural Code of Pain. <b>2021</b> , 27, 544-570	9
215	Prefrontal functional connectivity analysis of cognitive decline for early diagnosis of mild cognitive impairment: a functional near-infrared spectroscopy study. <b>2020</b> , 11, 1725-1741	11
214	Modulation of brain resting-state networks by sad mood induction. <b>2008</b> , 3, e1794	161
213	Normalized cut group clustering of resting-state FMRI data. 2008, 3, e2001	295
212	Functional connectivity in tactile object discrimination: a principal component analysis of an event related fMRI-Study. <b>2008</b> , 3, e3831	20
211	Impaired resting-state functional integrations within default mode network of generalized tonic-clonic seizures epilepsy. <b>2011</b> , 6, e17294	51
210	Functional connectivity analyses in imaging genetics: considerations on methods and data interpretation. <b>2011</b> , 6, e26354	15
209	Resting-state brain organization revealed by functional covariance networks. <b>2011</b> , 6, e28817	54
208	Resting-state multi-spectrum functional connectivity networks for identification of MCI patients. <b>2012</b> , 7, e37828	99
207	FMRI resting slow fluctuations correlate with the activity of fast cortico-cortical physiological connections. <b>2012</b> , 7, e52660	10
206	Topological organization of functional brain networks in healthy children: differences in relation to age, sex, and intelligence. <b>2013</b> , 8, e55347	100
205	Effective cerebral connectivity during silent speech reading revealed by functional magnetic resonance imaging. <b>2013</b> , 8, e80265	15
204	Googling Stroke ASPECTS to Determine Disability: Exploratory Analysis from VISTA-Acute Collaboration. <b>2015</b> , 10, e0125687	9
203	Disruptions in Resting State Functional Connectivity and Cerebral Blood Flow in Mild Traumatic Brain Injury Patients. <b>2015</b> , 10, e0134019	46
202	The evolution of cost-efficiency in neural networks during recovery from traumatic brain injury. <b>2017</b> , 12, e0170541	32
201	Multimodal MR-imaging reveals large-scale structural and functional connectivity changes in profound early blindness. <b>2017</b> , 12, e0173064	27

200	The association between resting functional connectivity and dispositional optimism. 2017, 12, e0180334	10
199	Partially restored resting-state functional connectivity in women recovered from anorexia nervosa. <b>2016</b> , 41, 377-385	22
198	Dynamic Brain Interactions during Picture Naming. <b>2019</b> , 6,	5
197	Topological Data Analysis Reveals Robust Alterations in the Whole-Brain and Frontal Lobe Functional Connectomes in Attention-Deficit/Hyperactivity Disorder. <b>2020</b> , 7,	10
196	Brain-mind operational architectonics imaging: technical and methodological aspects. <b>2008</b> , 2, 73-93	55
195	Performance of principal component analysis and independent component analysis with respect to signal extraction from noisy positron emission tomography data - a study on computer simulated images. <b>2009</b> , 3, 1-16	2
194	Dexmedetomidine - Commonly Used in Functional Imaging Studies - Increases Susceptibility to Seizures in Rats But Not in Wild Type Mice. <b>2020</b> , 14, 832	5
193	Advances on Alzheimer?s Disease With Neuroimaging*. <b>2012</b> , 39, 811-815	1
192	Exploring brain activity in neuroeconomics. <b>2008</b> , 118, 97	8
191	Neurobiology of PTSD: A Review of Neuroimaging Findings. <b>2009</b> , 39,	70
191 190	Neurobiology of PTSD: A Review of Neuroimaging Findings. <b>2009</b> , 39,  Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60	70 17
190	Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60	17
190 189	Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60  Frontoparietal Cortical Thinning in Respiratory-Type Panic Disorder: A Preliminary Report. <b>2016</b> , 13, 146-51  Evaluating Functional Autocorrelation within Spatially Distributed Neural Processing Networks.	17 5
190 189 188	Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60  Frontoparietal Cortical Thinning in Respiratory-Type Panic Disorder: A Preliminary Report. <b>2016</b> , 13, 146-51  Evaluating Functional Autocorrelation within Spatially Distributed Neural Processing Networks. <b>2010</b> , 3, 45-58	17 5 3
190 189 188	Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60  Frontoparietal Cortical Thinning in Respiratory-Type Panic Disorder: A Preliminary Report. <b>2016</b> , 13, 146-51  Evaluating Functional Autocorrelation within Spatially Distributed Neural Processing Networks. <b>2010</b> , 3, 45-58  Towards a New Model of Verbal Monitoring. <b>2020</b> , 3, 17	17 5 3
190 189 188 187	Changes in brain functional network connectivity after stroke. <b>2014</b> , 9, 51-60  Frontoparietal Cortical Thinning in Respiratory-Type Panic Disorder: A Preliminary Report. <b>2016</b> , 13, 146-51  Evaluating Functional Autocorrelation within Spatially Distributed Neural Processing Networks. <b>2010</b> , 3, 45-58  Towards a New Model of Verbal Monitoring. <b>2020</b> , 3, 17  Multimodal Imaging Brain Connectivity Analysis (MIBCA) toolbox. <b>2015</b> , 3, e1078	17 5 3 11

Multifractal Functional Connectivity Analysis of Electroencephalogram Reveals Reorganization of Brain Networks in a Visual Pattern Recognition Paradigm. Frontiers in Human Neuroscience, 2021, 182 3.3 3 15, 740225 Causal evidence for a domain-specific role of left superior frontal sulcus in human perceptual 181 decision-making. Refined prefrontal working memory network as a neuromarker for Alzheimer's disease. 2021, 12, 7199-7222 180 Analysis of Functional Imaging Data Sets via Functional Segmentation. 2001, 45-50 179 Spatiotemporal Analysis of Functional Images Using the Fixed Effect Model. 2001, 190-196 178 Functional MR Image Analysis. 2002, 401-427 177 Functional Connectivity. 2004, 999-1018 176 1 Mechanisms of Control. 2004, 329-362 175 Advances on Medical Imaging and Computing. 2005, 13-23 174 Insights into Brain Connectivity Using Quantitative MRI Measures of White Matter. 2007, 221-271 173 Time Course of Executive Processes: Data from the Event-Related Optical Signal. 2007, 197-224 172 O Functional Connectivity During Auditory Processing in Huntington Disease. 2008, 22, 195-201 171 The influence of visual mouth cue on auditory speech perception: Structural Equation modeling. 170 2008, 20, 223-246 Functional Magnetic Resonance Imaging in Drug Development. 2010, 67-89 169 IRM fonctionnelle. 2010, 159-164 168 Spontaneous Low-Frequency Fluctuation Observed with Functional Magnetic Resonance Imaging 167 as a Potential Biomarker in Neuropsychiatric Disorders. 2011, 47-57 166 Plastizit 2011, 183-190 Dynamic Spatial Discrimination Maps of Discriminative Activation between Different Tasks Based 165 on Support Vector Machines. 2011, 02, 85-92

Funktionelle kortikale Korrelate der Handfunktion. 2011, 415-432 164 Exploring Brain Activation Patterns during Heuristic Problem Solving Using Clustering Approach. 163 2011, 325-331 Multiple Sclerosis. 2012, 305-321 162 Elementary Principles in Cognitive Systems Modeling. 2014, 65-84 161 Research Tools and Paradigms. 2014, 1-10 160 The Shift Towards Structure. 2014, 85-95 159 158 A General Framework for Representation. 2014, 97-108 Epilogue. **2014**, 167-169 157 The Categorical Imperative: Category Theory in Cognitive and Brain Science. 2014, 33-63 156 From Cells to Memories: A Categorical Approach. 2014, 161-166 155 Autocovariance Based PCA Method for fMRI Data. 2014, 79-89 154 1 Diagnostic imaging techniques with special reference to PET. 1994, 53-67 153 Brain Activation Under Drug Treatment. 1995, 167-177 152 References. 1996, 121-140 151 Neurobehavioral Probes as Applied in Physiological Neuroimaging Studies. 1996, 199-214 150 Cortical Activity Pattern in Complex Tasks. 1998, 13-18 149 Sensory and Motor Components of Smooth Pursuit Eye Movements in Extrastriate Cortex. 1999, 213-221 148 Spatio-temporal cortical activity patterns in cognitive tasks using fMRI. 1999, 126-131

146	[Neuroimaging of functional abnormalities in apathy]. <b>2016</b> , 116, 79-82	
145	Brain Activation Pattern and Functional Connectivity during Convergence Thinking and Chemistry Problem Solving. <b>2016</b> , 60, 203-214	
144	State-dependent modulation of functional connectivity in early blind individuals.	
143	A Resource for Assessing Information Processing in the Developing Brain Using EEG and Eye Tracking.	O
142	Noninvasive Imaging Technologies in Primates. <b>2017</b> , 441-470	1
141	Secure multivariate large-scale multi-centric analysis through on-line learning: an imaging genetics case study. <b>2017</b> ,	
140	Comparative study on similarity metrics for seed-based analysis of functional connectivity photoacoustic tomography images. <b>2017</b> ,	
139	A Longitudinal Model for Functional Connectivity Networks Using Resting-State fMRI.	
138	Estimating the functional dimensionality of neural representations.	0
137	The brain mechanisms of the physical exercise enhancing cognitive function. <b>2018</b> , 26, 1857	O
136	Changes in patterns of neural activity underlie a time-dependent transformation of memory in rats and humans.	
135	Spatial dynamics within and between brain functional domains: A hierarchical approach to study time-varying brain function.	
134	Covariate Assisted Principal Regression for Covariance Matrix Outcomes.	О
133	Dynamic brain interactions during picture naming.	0
132	Encyclopedia of Autism Spectrum Disorders. <b>2019</b> , 1-2	
131	Introduction. <b>2019</b> , 1-16	
130	Discriminative Analysis of Nonlinear Functional Connectivity in Schizophrenia. 2019, 35-54	
129	Analysis of Dynamic Brain Connectivity Through Geodesic Clustering. <b>2019</b> , 640-648	1

128	Decoupling of inter-regional functional connectivity and regional neural activity in Alzheimer Disease.	
127	Il Default Mode Network: la scoperta, la struttura, le proposte teoriche. <b>2019</b> , 175-219	
126	The Effect of MR Image Quality on Structural and Functional Brain Connectivity: The Maastricht Study.	
125	The Time Varying Networks of the Interoceptive Attention and Rest.	1
124	Dexmedetomidine - commonly used in functional imaging studies - increases susceptibility to seizures in rats but not in wild type mice.	
123	Classification of Autism Based on fMRI Data with Feature-Fused Convolutional Neural Network. <b>2020</b> , 77-88	O
122	Metodi e strumenti di analisi della neuropsicologia applicata al linguaggio e alla comunicazione. <b>2008</b> , 51-89	
121	Functional Neuroimaging Research in Posttraumatic Stress Disorder. <b>2006</b> , 211-233	1
120	Kortikale Erregbarkeit und kortikokortikale Konnektivit <b>E. 2007</b> , 323-332	
119	Multiple Sclerosis. <b>2012</b> , 305-321	Ο
119	Multiple Sclerosis. 2012, 305-321  Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.	0
		0
118	Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.  Increased resting-state functional connectivity within theta and alpha frequency bands in	
118	Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.  Increased resting-state functional connectivity within theta and alpha frequency bands in dysphoria: Towards a novel measure of depression risk.  Functional neuroanatomy of the human brain: positron emission tomographya new	1
118 117 116	Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.  Increased resting-state functional connectivity within theta and alpha frequency bands in dysphoria: Towards a novel measure of depression risk.  Functional neuroanatomy of the human brain: positron emission tomographya new neuroanatomical technique. 1994, 184 ( Pt 2), 211-25  Magnetic resonance imaging and prediction of outcome in patients with major depressive disorder.	1 19
118 117 116	Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.  Increased resting-state functional connectivity within theta and alpha frequency bands in dysphoria: Towards a novel measure of depression risk.  Functional neuroanatomy of the human brain: positron emission tomographya new neuroanatomical technique. 1994, 184 ( Pt 2), 211-25  Magnetic resonance imaging and prediction of outcome in patients with major depressive disorder. 2009, 34, 343-9	1 19
118 117 116 115	Homeostatic brain network mechanisms facilitate perceptual binding of audio-visual speech.  Increased resting-state functional connectivity within theta and alpha frequency bands in dysphoria: Towards a novel measure of depression risk.  Functional neuroanatomy of the human brain: positron emission tomographya new neuroanatomical technique. 1994, 184 ( Pt 2), 211-25  Magnetic resonance imaging and prediction of outcome in patients with major depressive disorder. 2009, 34, 343-9  The default network: your mind, on its own time. 2010, 2010, 19  Disorganization of Equilibrium Directional Interactions in the Brain Motor Network of Parkinson's disease: New Insight of Resting State Analysis Using Granger Causality and Graphical Approach.	1 19 54

110	Functional connectivity in the thalamus and hippocampus studied with functional MR imaging. <b>2000</b> , 21, 1397-401	111
109	Mapping functionally related regions of brain with functional connectivity MR imaging. <b>2000</b> , 21, 1636-44	616
108	The functional characterization of callosal connections. <b>2021</b> , 208, 102186	0
107	The diversity and multiplexity of edge communities within and between brain systems. <b>2021</b> , 37, 110032	4
106	Shared functional connections within and between cortical networks predict cognitive abilities in adult males and females. <b>2021</b> ,	1
105	Type 1 diabetes affects the brain functional connectivity underlying working memory processing. <b>2021</b> , e13969	O
104	Vector Auto-Regressive Deep Neural Network: A Data-Driven Deep Learning-Based Directed Functional Connectivity Estimation Toolbox <b>2021</b> , 15, 764796	
103	Resting state functional connectivity in pediatric populations. <b>2021</b> , 2, 65-87	
102	Predicting behavior through dynamic modes in resting-state fMRI data 2021, 247, 118801	1
101	Somatotopy of cervical dystonia in motor-cerebellar networks: Evidence from resting state fMRI. <b>2021</b> , 94, 30-36	O
100	Connectome-based model predicts individual psychopathic traits in college students. <b>2021</b> , 136387	0
99	Angular gyrus connectivity at alpha and beta oscillations is reduced during tonic pain - Differential effect of eye state <b>2021</b> , 33, 102907	2
98	Functional connectivity dynamics as a function of the fluctuation of tension during film watching <b>2022</b> , 1	0
97	Shaping the Sensory-Motor Network by Short-Term Unresolvable Sensory-Motor Mismatch <b>2021</b> , 12, 793662	O
96	Effects of sex and age on presumed inhibitory interactions in 6 areas of the human cerebral cortex as revealed by the fMRI Human Connectome Project <b>2022</b> , 240, 969	1
95	Directional Absolute Coherence: a phase-based measure of effective connectivity for neurophysiology data.	O
94	Alteration of Neural Network Activity With Aging Focusing on Temporal Complexity and Functional Connectivity Within Electroencephalography <b>2022</b> , 14, 793298	0
93	MAGNIMS recommendations for harmonization of MRI data in MS multicenter studies <b>2022</b> , 34, 102972	O

92 Mapping Brain Networks Using Multimodal Data. **2022**, 1-51

91	High-Performance and Customizable Vector Retrieval Service Based on Faiss in Power Grid Scenarios. <b>2022</b> , 329-339		
90	Classification of Alzheimer's Disease Based on Abnormal Hippocampal Functional Connectivity and Machine Learning <b>2022</b> , 14, 754334		1
89	Data-driven study on resting-state functional magnetic resonance imaging during early abstinence of alcohol dependence in male patients and its predictive value for relapse <b>2022</b> , 22, 143		Ο
88	Multivariate genomic and transcriptomic determinants of imaging-derived personalized therapeutic needs in Parkinson's disease <i>Scientific Reports</i> , <b>2022</b> , 12, 5483	4.9	O
87	Functional Connectivity Changes in Multiple-Frequency Bands in Acute Basal Ganglia Ischemic Stroke Patients: A Machine Learning Approach <b>2022</b> , 2022, 1560748		1
86	Synchronised neural signature of creative mental imagery in reality and augmented reality <b>2022</b> , 8, e09017		1
85	Study of extravisual resting-state networks in pituitary adenoma patients with vision restoration <b>2022</b> , 23, 15		
84	Stability of sensorimotor network sculpts the dynamic repertoire of resting state over lifespan <b>2022</b> ,		O
83	Epileptic seizure prediction using spectral width of the covariance matrix 2022,		1
82	Altered brain network topology in children with Auditory Processing Disorder: a resting-state multi-echo fMRI study.		
81	A New Method on Construction of Brain Effective Connectivity Based on Functional Magnetic Resonance Imaging <b>2022</b> , 2022, 4542106		
80	A study of brain networks for autism spectrum disorder classification using resting-state functional connectivity. <b>2022</b> , 8, 100290		О
79	Altered connectivity in the right inferior frontal gyrus associated with self-control in adolescents exhibiting problematic smartphone use: A fMRI study <b>2021</b> ,		1
78	Resting-state Functional Connectivity After Occipital Stroke <b>2021</b> , 15459683211062897		0
77	The Causal Interaction between Complex Subsystems <b>2021</b> , 24,		1
76	Functional connectome analysis in Mild Cognitive Impairment: Comparing AD continuum and Suspected Non-Alzheimer Pathology <b>2022</b> ,		
75	Data_Sheet_1.pdf. <b>2018</b> ,		



56	Future Directions for Chemosensory Connectomes: Best Practices and Specific Challenges. <b>2022</b> , 16,		O
55	Self- and Situation-Focused Reappraisal are not homogeneous: Evidence from behavioral and brain networks. <b>2022</b> , 108282		
54	Structural and functional connectivity abnormalities of the default mode network in patients with Alzheimer's disease and mild cognitive impairment within two independent datasets. <i>Methods</i> , <b>2022</b> ,	4.6	2
53	The effects of a virtual reality rehabilitation task on elderly subjects: An experimental study using multimodal data. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2022</b> , 1-1	4.8	
52	Brain Functional Connectivity in the Resting State and the Exercise State in Elite Tai Chi Chuan Athletes: An fNIRS Study. <i>Frontiers in Human Neuroscience</i> , 16,	3.3	О
51	Memory for the Future: Psychodynamic Approach to Time and Self Through the Default Network. <i>Frontiers in Human Neuroscience</i> , 16,	3.3	O
50	The Differential Effects of Adiposity and Fitness on Functional Connectivity in Preadolescent Children. <i>Medicine and Science in Sports and Exercise</i> , Publish Ahead of Print,	1.2	О
49	Abnormal Dynamics of Functional Connectivity Density Associated With Chronic Neck Pain. <i>Frontiers in Molecular Neuroscience</i> , 15,	6.1	
48	The effect of brain functional network following electroconvulsive therapy in major depressive disorder. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering,	0.7	
47	Effects of aging on functional connectivity in a neurodegenerative risk cohort: resting state versus task measurement using near-infrared spectroscopy. <i>Scientific Reports</i> , <b>2022</b> , 12,	4.9	1
46	Altered brain network topology in children with auditory processing disorder: A resting-state multi-echo fMRI study. <b>2022</b> , 35, 103139		O
45	rTMS Pain Reduction Effectiveness in Non-specific Chronic Low Back Pain Patients using rs-fMRI Functional Connectivity.		
44	Low-frequency rTMS targeting individual self-initiated finger-tapping task activation modulates the amplitude of local neural activity in the putamen.		
43	Neural and cognitive function in a pediatric brain injury model: The impact of task complexity. <b>2022</b> ,		
42	Multimodal Emotion Classification Method and Analysis of Brain Functional Connectivity Networks. <b>2022</b> , 30, 2022-2031		О
41	Features of the formation of interzonal connections of the brain according to quantitative electroencephalography in full-term and premature infants. <b>2022</b> , 122, 74		O
40	Rhythmic Pattern of EEG for Identifying Schizophrenia. <b>2022</b> , 47-62		О
39	The Organization of Frontostriatal Brain Wiring in Non-Affective Early Psychosis Compared with Healthy Subjects Using a Novel Diffusion Imaging Fiber Cluster Analysis.		O

38	Transcutaneous auricular vagus nerve immediate stimulation treatment for treatment-resistant depression: A functional magnetic resonance imaging study. 13,	0
37	Computational psychiatry: from synapses to sentience.	O
36	Dual-site TMS as a tool to probe effective interactions within the motor network: a review. 2022,	O
35	Individualized fMRI connectivity defines signatures of antidepressant and placebo responses in major depression.	O
34	Adaptation of Dynamics in Default Mode Network Depending on Mental States: the One-to-many dynamic functional connectivity analysis with fMRI.	O
33	The neural circuits of monogamous behavior. 16,	O
32	Quantitative Electroencephalogram (qEEG) as a Natural and Non-Invasive Window into Living Brain and Mind in the Functional Continuum of Healthy and Pathological Conditions. <b>2022</b> , 12, 9560	0
31	Functional connectivity in behavioral variant frontotemporal dementia.	O
30	Tackling the challenges of group network inference from intracranial EEG data.	O
29	Functional connectivity impairment of thalamus-cerebellum-scratching neural circuits in pruritus of chronic spontaneous urticaria. 16,	O
28	Psychological resilience mediates the association of the middle frontal gyrus functional connectivity with sleep quality.	0
27	Multimodal multilayer network centrality relates to executive functioning. 1-45	O
26	Association of intrinsic functional connectivity between the locus coeruleus and salience network with attentional ability.	O
25	Functional magnetic resonance imaging (fMRI) in typical and atypical brain development: Challenges and suggestions. <b>2022</b> ,	o
24	The Cerebellum Is a Key Structure in the Neural Network for Mentalizing: An MRI Study in the Behavioral Variant of Frontotemporal Dementia. <b>2022</b> , 10, 2901	0
23	How Do Horticultural Activities Affect Brain Activation and Emotion? Scientific Evidence Based on Functional Connectivity. <b>2023</b> , 58, 67-78	o
22	Coherence resonance in neural networks: Theory and experiments. <b>2023</b> , 1000, 1-57	1
21	Brain Network Analysis of Hand Motor Execution and Imagery Based on Conditional Granger Causality. <b>2023</b> , 125-134	O

## (2023-)

20	Novel noninvasive identification of patient-specific epileptic networks in focal epilepsies: Linking single-photon emission computed tomography perfusion during seizures with resting-state magnetoencephalography dynamics.	О
19	Tackling the challenges of group network inference from intracranial EEG data. 16,	Ο
18	Estimating effective connectivity in Alzheimer's disease progression: A dynamic causal modeling study. 16,	0
17	How much data do we need? Lower bounds of brain activation states to predict human cognitive ability.	О
16	Evaluating methods for measuring background connectivity in slow event-related functional MRI designs.	0
15	Brain connectomics: time for a molecular imaging perspective?. 2023,	О
14	Comparative Analysis of Functional Connectivity Metrics in EEG Datasets. 2022,	О
13	Mapping Brain Networks Using Multimodal Data. <b>2023</b> , 2975-3025	О
12	Functional connectivity signatures of major depressive disorder: machine learning analysis of two multicenter neuroimaging studies.	О
11	Characteristics of Resting State Functional Connectivity of the Brain in Patients with Lateralized Damage to the Mediobasal Areas of the Temporal Lobe (fMRI and EEG data). <b>2022</b> , 52, 1237-1246	О
10	BraceNet: Graph-Embedded Neural Network For Brain Network Analysis. 2022,	O
9	Individualized fMRI connectivity defines signatures of antidepressant and placebo responses in major depression.	О
8	Emergence of High-Order Functional Hubs in the Human Brain.	0
7	EiDA: A Lossless Approach for the Dynamic Analysis of Connectivity Patterns in Signals; Application to Resting State fMRI of a Model of Ageing.	o
6	Brain effective connectivity and functional connectivity as markers of lifespan vascular exposures in middle-aged adults: The Bogalusa Heart Study. 15,	0
5	Functional Magnetic Resonance Imaging of the amygdala and subregions at 3 Tesla: A scoping review.	О
4	Individuals with higher trait self-esteem prefer to use reappraisal, but not suppression: Evidence from functional connectivity analyses.	O
3	Tinnitus at the Junction of Traditional Medicine and Modern Technology. <b>2023</b> , 15, 1898	O

Evaluating methods for measuring background connectivity in slow event-related functional magnetic resonance imaging designs.

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Enhancing the network specific individual characteristics in rs-fMRI functional connectivity by dictionary learning.

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