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The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism

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1593	Reconceptualizing functional brain connectivity in autism from a developmental perspective. 2013 , 7, 458		313
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1591	Autism spectrum disorder and the cerebellum. 2013 , 113, 1-34		149
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1589	Multisite functional connectivity MRI classification of autism: ABIDE results. 2013 , 7, 599		209
1588	Heterogeneity within Autism Spectrum Disorders: What have We Learned from Neuroimaging Studies?. 2013 , 7, 733		125
1587	Multiparametric MRI characterization and prediction in autism spectrum disorder using graph theory and machine learning. 2014 , 9, e90405		65
1586	Altered network topologies and hub organization in adults with autism: a resting-state fMRI study. 2014 , 9, e94115		85
1585	A robust classifier to distinguish noise from fMRI independent components. 2014 , 9, e95493		19
1584	Voxel-wise motion artifacts in population-level whole-brain connectivity analysis of resting-state fMRI. 2014 , 9, e104947		19
1583	When structure affects function--the need for partial volume effect correction in functional and resting state magnetic resonance imaging studies. 2014 , 9, e114227		41
1582	Structure-centered portal for child psychiatry research. 2014 , 8, 47		3

1581	A simple tool for neuroimaging data sharing. 2014 , 8, 52	4
1580	Precentral gyrus functional connectivity signatures of autism. 2014 , 8, 80	54
1579	Atypical resting synchrony in autism spectrum disorder. 2014 , 35, 6049-66	54
1578	DNA methylation analysis of the autistic brain reveals multiple dysregulated biological pathways. 2014 , 4, e433	159
1577	Encyclopedia of Computational Neuroscience. 2014 , 1-14	
1576	Why autism must be taken apart. 2014 , 44, 1788-92	39
1575	The implications of brain connectivity in the neuropsychology of autism. 2014 , 24, 16-31	150
1574	Abnormal lateralization of functional connectivity between language and default mode regions in autism. 2014 , 5, 8	62
1573	Disease prediction based on functional connectomes using a scalable and spatially-informed support vector machine. 2014 , 96, 183-202	46
1572	Multimodal imaging in autism: an early review of comprehensive neural circuit characterization. 2014 , 16, 496	10
1571	Underconnectivity of the superior temporal sulcus predicts emotion recognition deficits in autism. 2014 , 9, 1589-600	76
1570	AUTOMATIC MEASUREMENT OF AFFECTIVE VALENCE AND AROUSAL IN SPEECH. 2014 , 2014, 965-969	3
1569	Social-cognitive, physiological, and neural mechanisms underlying emotion regulation impairments: understanding anxiety in autism spectrum disorder. 2014 , 39, 22-36	115
1568	Structural and functional connectivity of the human brain in autism spectrum disorders and attention-deficit/hyperactivity disorder: A rich club-organization study. 2014 , 35, 6032-48	103
1567	Segmentation and analysis of brain subcortical regions using regularized multiphase level set in autistic MR images. 2014 , 24, 256-262	5
1566	Lag in maturation of the brain's intrinsic functional architecture in attention-deficit/hyperactivity disorder. 2014 , 111, 14259-64	137
1565	Elucidating the neurophysiological underpinnings of autism spectrum disorder: new developments. 2014 , 121, 1129-44	13
1564	Differences in the right inferior longitudinal fasciculus but no general disruption of white matter tracts in children with autism spectrum disorder. 2014 , 111, 1981-6	84

1563	Reduction of motion-related artifacts in resting state fMRI using aCompCor. 2014 , 96, 22-35	230
1562	Developmental differences in higher-order resting-state networks in Autism Spectrum Disorder. 2014 , 4, 820-7	34
1561	Test-retest reliabilities of resting-state FMRI measurements in human brain functional connectomics: a systems neuroscience perspective. 2014 , 45, 100-18	405
1560	Brain connectivity in autism. 2014 , 8, 349	89
1559	The rise of large-scale imaging studies in psychiatry. 2014 , 3, 29	18
1558	An open science resource for establishing reliability and reproducibility in functional connectomics. 2014 , 1, 140049	247
1557	Default mode network segregation and social deficits in autism spectrum disorder: Evidence from non-medicated children. 2015 , 9, 223-32	90
1556	Phenotypic and imaging features of FLNA-negative patients with bilateral periventricular nodular heterotopia and epilepsy. 2015 , 51, 321-7	8
1555	Brain Genomics Superstruct Project initial data release with structural, functional, and behavioral measures. 2015 , 2, 150031	204
1554	Age-associated changes in rich-club organisation in autistic and neurotypical human brains. 2015 , 5, 16152	17
1553	On the Neuroimaging of Autism in the Context of Human Brain Diversity. 68-79	
1552	Alterations of local spontaneous brain activity and connectivity in adults with high-functioning autism spectrum disorder. 2015 , 6, 30	53
1551	The Effects of the X Chromosome on Intrinsic Functional Connectivity in the Human Brain: Evidence from Turner Syndrome Patients. 2017 , 27, 474-484	13
1550	Connectivity in Autism: A Review of MRI Connectivity Studies. 2015 , 23, 223-44	134
1549	Rising interdisciplinary collaborations refine our understanding of autisms and give hope to more personalized solutions. 2015 , 12, 359-369	1
1548	Regional brain volume differences between males with and without autism spectrum disorder are highly age-dependent. 2015 , 6, 29	41
1547	Sex differences in structural organization of motor systems and their dissociable links with repetitive/restricted behaviors in children with autism. 2015 , 6, 50	67
1546	Insistence on sameness relates to increased covariance of gray matter structure in autism spectrum disorder. 2015 , 6, 54	18

1545	Developmental trajectories as autism phenotypes. 2015 , 169, 198-208	92
1544	Hyperconnectivity of the Right Posterior Temporo-parietal Junction Predicts Social Difficulties in Boys with Autism Spectrum Disorder. 2015 , 8, 427-41	24
1543	Regional specificity of aberrant thalamocortical connectivity in autism. 2015 , 36, 4497-511	46
1542	Reliability correction for functional connectivity: Theory and implementation. 2015 , 36, 4664-80	48
1541	A parsimonious statistical method to detect groupwise differentially expressed functional connectivity networks. 2015 , 36, 5196-206	23
1540	Mining topological structures of protein-protein interaction networks for human brain-specific genes. 2015 , 14, 12437-45	3
1539	Autism Spectrum Disorder (ASD) and Fragile X Syndrome (FXS): Two Overlapping Disorders Reviewed through Electroencephalography-What Can be Interpreted from the Available Information?. 2015 , 5, 92-117	19
1538	An empirical Bayes normalization method for connectivity metrics in resting state fMRI. 2015 , 9, 316	13
1537	ICA-based artifact removal diminishes scan site differences in multi-center resting-state fMRI. 2015 , 9, 395	37
1536	Comparison of the brain development trajectory between Chinese and U.S. children and adolescents. 2014 , 8, 249	11
1535	Characteristics of Brains in Autism Spectrum Disorder: Structure, Function and Connectivity across the Lifespan. 2015 , 24, 273-84	165
1534	Sex Differences in the Default Mode Network with Regard to Autism Spectrum Traits: A Resting State fMRI Study. 2015 , 10, e0143126	24
1533	Individual Variability and Test-Retest Reliability Revealed by Ten Repeated Resting-State Brain Scans over One Month. 2015 , 10, e0144963	88
1532	Examination of Local Functional Homogeneity in Autism. 2015 , 2015, 174371	22
1531	Behavioral and Neuroanatomical Phenotypes in Mouse Models of Autism. 2015 , 12, 521-33	66
1530	Corpus callosum area and brain volume in autism spectrum disorder: quantitative analysis of structural MRI from the ABIDE database. 2015 , 45, 3107-14	26
1529	Autism spectrum traits in normal individuals: a preliminary VBM analysis. 2015 , 9, 264	9
1528	Age-related changes in intrinsic function of the superior temporal sulcus in autism spectrum disorders. 2015 , 10, 1413-23	33

1527	Asymmetric development of dorsal and ventral attention networks in the human brain. 2015 , 12, 165-74	87
1526	Autism: reduced connectivity between cortical areas involved in face expression, theory of mind, and the sense of self. 2015 , 138, 1382-93	156
1525	Applications and Techniques in Information Security. 2015 ,	
1524	The Lag Structure of Intrinsic Activity is Focally Altered in High Functioning Adults with Autism. 2017 , 27, 1083-1093	30
1523	From Faces to Feelings in Early Child Development. 2015 , 78, 83-4	3
1522	Brains for all the ages: structural neurodevelopment in infants and children from a life-span perspective. 2015 , 48, 1-52	58
1521	Functional connectivity classification of autism identifies highly predictive brain features but falls short of biomarker standards. 2015 , 7, 359-66	184
1520	The emerging picture of autism spectrum disorder: genetics and pathology. 2015 , 10, 111-44	168
1519	The idiosyncratic brain: distortion of spontaneous connectivity patterns in autism spectrum disorder. 2015 , 18, 302-9	262
1518	Quantile rank maps: a new tool for understanding individual brain development. 2015 , 111, 454-63	12
1517	Increased Functional Connectivity Between Subcortical and Cortical Resting-State Networks in Autism Spectrum Disorder. 2015 , 72, 767-77	185
1516	Variation in functional connectivity along anterior-to-posterior intraparietal sulcus, and relationship with age across late childhood and adolescence. 2015 , 13, 32-42	18
1515	Overactive Pattern Separation Memory Associated with Negative Emotionality in Adults Diagnosed with Autism Spectrum Disorder. 2015 , 45, 3458-67	12
1514	Reduced Gyrfication Is Related to Reduced Interhemispheric Connectivity in Autism Spectrum Disorders. 2015 , 54, 668-76	26
1513	. 2015 , 7, 287-300	3
1512	Automated Segmentation and Analysis of Corpus Callosum in Autistic MR Brain Images Using Fuzzy-c-Means-Based Level Set Method. 2015 , 35, 331-337	12
1511	Brain Connectivity in Autism: The Significance of Null Findings. 2015 , 78, 81-2	6
1510	Neuroimages in Autism. 2015 , 95-117	

1509	Structural Abnormalities in Autism Spectrum Disorder. 2015 , 1031-1036	
1508	Somatosensory cortex functional connectivity abnormalities in autism show opposite trends, depending on direction and spatial scale. 2015 , 138, 1394-409	86
1507	Multicenter mapping of structural network alterations in autism. 2015 , 36, 2364-73	54
1506	Is fMRI "noise" really noise? Resting state nuisance regressors remove variance with network structure. 2015 , 114, 158-69	109
1505	Neuroimaging in autism spectrum disorder: brain structure and function across the lifespan. 2015 , 14, 1121-34	237
1504	Connectomics and new approaches for analyzing human brain functional connectivity. 2015 , 4, 13	42
1503	Neural variability: friend or foe?. 2015 , 19, 322-8	114
1502	Developmental changes in large-scale network connectivity in autism. 2015 , 7, 732-41	153
1501	Shuffled Graph Classification: Theory and Connectome Applications. 2015 , 32, 3-20	5
1500	Diagnostic classification of intrinsic functional connectivity highlights somatosensory, default mode, and visual regions in autism. 2015 , 8, 238-45	105
1499	Neuroanatomical Diversity of Corpus Callosum and Brain Volume in Autism: Meta-analysis, Analysis of the Autism Brain Imaging Data Exchange Project, and Simulation. 2015 , 78, 126-34	78
1498	Brain imaging research in autism spectrum disorders: in search of neuropathology and health across the lifespan. 2015 , 28, 76-82	30
1497	Idiosyncratic connectivity in autism: developmental and anatomical considerations. 2015 , 38, 261-3	26
1496	Encyclopedia of Autism Spectrum Disorders. 2015 , 1-7	
1495	Sex differences in cortical volume and gyrification in autism. 2015 , 6, 42	48
1494	From estimating activation locality to predicting disorder: A review of pattern recognition for neuroimaging-based psychiatric diagnostics. 2015 , 57, 328-49	197
1493	Neuroinformatics Software Applications Supporting Electronic Data Capture, Management, and Sharing for the Neuroimaging Community. 2015 , 25, 356-68	20
1492	Clinical and neural effects of six-week administration of oxytocin on core symptoms of autism. 2015 , 138, 3400-12	146

1491	The construction of MRI brain/head templates for Chinese children from 7 to 16 years of age. 2015 , 15, 94-105	21
1490	Deep brain stimulation for severe autism: from pathophysiology to procedure. 2015 , 38, E3	31
1489	An unbiased Bayesian approach to functional connectomics implicates social-communication networks in autism. 2015 , 8, 356-66	23
1488	A Large-Scale Distributed Sorting Algorithm Based on Cloud Computing. 2015 , 226-237	1
1487	Altered white matter connectivity as a neural substrate for social impairment in Autism Spectrum Disorder. 2015 , 62, 158-81	181
1486	Longitudinal volumetric brain changes in autism spectrum disorder ages 6-35 years. 2015 , 8, 82-93	124
1485	Neural signatures of autism spectrum disorders: insights into brain network dynamics. 2015 , 40, 171-89	77
1484	Quantitative assessment of corpus callosum morphology in periventricular nodular heterotopia. 2015 , 109, 40-7	9
1483	Salience processing and insular cortical function and dysfunction. 2015 , 16, 55-61	1044
1482	Resting state functional magnetic resonance imaging and neural network classified autism and control. 2015 , 63, 55-67	116
1481	Anatomical Abnormalities in Autism?. 2016 , 26, 1440-52	172
1480	Sharing data in the cloud. 2016 , 5,	
1479	Advancing open science through NiData. 2016 , 5,	
1478	Identification of segregated regions in the functional brain connectome of autistic patients by a combination of fuzzy spectral clustering and entropy analysis. 2016 , 41, 124-32	9
1477	Noise Reduction in Arterial Spin Labeling Based Functional Connectivity Using Nuisance Variables. 2016 , 10, 371	5
1476	Resting-State Time-Varying Analysis Reveals Aberrant Variations of Functional Connectivity in Autism. 2016 , 10, 463	36
1475	A Tool for Interactive Data Visualization: Application to Over 10,000 Brain Imaging and Phantom MRI Data Sets. 2016 , 10, 9	15
1474	Data Citation in Neuroimaging: Proposed Best Practices for Data Identification and Attribution. 2016 , 10, 34	9

1473	Mixed Effects Models for Resampled Network Statistics Improves Statistical Power to Find Differences in Multi-Subject Functional Connectivity. 2016 , 10, 108	12
1472	Abnormalities of Inter- and Intra-Hemispheric Functional Connectivity in Autism Spectrum Disorders: A Study Using the Autism Brain Imaging Data Exchange Database. 2016 , 10, 191	30
1471	Neuroanatomical Alterations in High-Functioning Adults with Autism Spectrum Disorder. 2016 , 10, 237	21
1470	Inter-Method Discrepancies in Brain Volume Estimation May Drive Inconsistent Findings in Autism. 2016 , 10, 439	22
1469	Can Mouse Imaging Studies Bring Order to Autism Connectivity Chaos?. 2016 , 10, 484	19
1468	Influence of Group on Individual Subject Maps in SPM Voxel Based Morphometry. 2016 , 10, 522	9
1467	Using Functional or Structural Magnetic Resonance Images and Personal Characteristic Data to Identify ADHD and Autism. 2016 , 11, e0166934	59
1466	Cortico-Cerebellar Connectivity in Autism Spectrum Disorder: What Do We Know So Far?. 2016 , 7, 20	37
1465	Promises, Pitfalls, and Basic Guidelines for Applying Machine Learning Classifiers to Psychiatric Imaging Data, with Autism as an Example. 2016 , 7, 177	61
1464	Defining Precision Medicine Approaches to Autism Spectrum Disorders: Concepts and Challenges. 2016 , 7, 188	46
1463	Functional connectivity of brain regions for self- and other-evaluation in children, adolescents and adults with autism. 2016 , 19, 564-80	31
1462	Detection of white matter abnormalities in MR brain images for diagnosis of autism in children. 2016 ,	8
1461	Somatic mutations in disorders with disrupted brain connectivity. 2016 , 48, e239	19
1460	Identifying diagnostically-relevant resting state brain functional connectivity in the ventral posterior complex via genetic data mining in autism spectrum disorder. 2016 , 9, 553-62	9
1459	Alteration of functional connectivity in autism spectrum disorder: effect of age and anatomical distance. 2016 , 6, 26527	36
1458	Generating music with resting-state fMRI data. 2016 , 5,	
1457	Motor noise is rich signal in autism research and pharmacological treatments. 2016 , 6, 37422	42
1456	Development of self-inflicted injury: Comorbidities and continuities with borderline and antisocial personality traits. 2016 , 28, 1071-1088	16

1455	Anatomical imbalance between cortical networks in autism. 2016 , 6, 31114	19
1454	Aberrant intrinsic functional connectivity within and between corticostriatal and temporal-parietal networks in adults and youth with bipolar disorder. 2016 , 46, 1509-22	32
1453	Phenotyping, Etiological Factors, and Biomarkers: Toward Precision Medicine in Autism Spectrum Disorders. 2016 , 37, 659-73	39
1452	Connectivity-based parcellation increases network detection sensitivity in resting state fMRI: An investigation into the cingulate cortex in autism. 2016 , 11, 494-507	37
1451	Pallidum and lateral ventricle volume enlargement in autism spectrum disorder. 2016 , 252, 40-45	34
1450	Imaging the "At-Risk" Brain: Future Directions. 2016 , 22, 164-79	13
1449	Prenatal domoic acid exposure disrupts mouse pro-social behavior and functional connectivity MRI. 2016 , 308, 14-23	16
1448	DPABI: Data Processing & Analysis for (Resting-State) Brain Imaging. 2016 , 14, 339-51	1336
1447	Endosomal system genetics and autism spectrum disorders: A literature review. 2016 , 65, 95-112	10
1446	Neural responses to affective and cognitive theory of mind in children and adolescents with autism spectrum disorder. 2016 , 621, 117-125	20
1445	Advanced Connectivity Analysis (ACA): a Large Scale Functional Connectivity Data Mining Environment. 2016 , 14, 191-9	5
1444	Default Mode Hypoconnectivity Underlies a Sex-Related Autism Spectrum. 2016 , 1, 364-371	41
1443	Altered Cortical Dynamics and Cognitive Function upon Haploinsufficiency of the Autism-Linked Excitatory Synaptic Suppressor MDGA2. 2016 , 91, 1052-1068	45
1442	Multisite, multimodal neuroimaging of chronic urological pelvic pain: Methodology of the MAPP Research Network. 2016 , 12, 65-77	24
1441	Morphometricity as a measure of the neuroanatomical signature of a trait. 2016 , 113, E5749-56	30
1440	Identifying High Order Brain Connectome Biomarkers via Learning on Hypergraph. 2016 , 10019, 1-9	5
1439	Morphological Alterations in the Thalamus, Striatum, and Pallidum in Autism Spectrum Disorder. 2016 , 41, 2627-37	84
1438	LTD-like molecular pathways in developmental synaptic pruning. 2016 , 19, 1299-310	60

1437	Reduced Hemispheric Asymmetry of White Matter Microstructure in Autism Spectrum Disorder. 2016 , 55, 1073-1080	33
1436	Genome-wide prediction and functional characterization of the genetic basis of autism spectrum disorder. 2016 , 19, 1454-1462	214
1435	Local brain connectivity across development in autism spectrum disorder: A cross-sectional investigation. 2016 , 9, 43-54	69
1434	Edgewise and subgraph-level tests for brain networks. 2016 , 35, 4994-5008	1
1433	A theoretical rut: revisiting and critically evaluating the generalized under/over-connectivity hypothesis of autism. 2016 , 19, 524-49	68
1432	Capturing heterogeneous group differences using mixture-of-experts: Application to a study of aging. 2016 , 125, 498-514	14
1431	Altered mGluR5-Homer scaffolds and corticostriatal connectivity in a Shank3 complete knockout model of autism. 2016 , 7, 11459	164
1430	A small number of abnormal brain connections predicts adult autism spectrum disorder. 2016 , 7, 11254	176
1429	Human Connectome Project Minimal Preprocessing Pipelines to Nipype. 2016 ,	
1428	Introduction to the 2015 Brainhack Proceedings. 2016 , 5, 1-26	68
1427	Atypical lateralization of motor circuit functional connectivity in children with autism is associated with motor deficits. 2016 , 7, 35	76
1426	Altered functional organization within the insular cortex in adult males with high-functioning autism spectrum disorder: evidence from connectivity-based parcellation. 2016 , 7, 41	29
1425	Pivotal response treatment prompts a functional rewiring of the brain among individuals with autism spectrum disorder. 2016 , 27, 1081-5	15
1424	Subregional differences in intrinsic amygdala hyperconnectivity and hypoconnectivity in autism spectrum disorder. 2016 , 9, 760-72	31
1423	Reorganization of functionally connected brain subnetworks in high-functioning autism. 2016 , 37, 1066-79	67
1422	Atypical effective connectivity of thalamo-cortical circuits in autism spectrum disorder. 2016 , 9, 1183-1190	14
1421	Interoception in Autism Spectrum Disorder: A review. 2016 , 52, 104-11	62
1420	Categorical Dimensions of Social Impairment and Disrupted Functional Connectivity in Autism Spectrum Disorders: When Does Continuous Become Discrete?. 2016 , 80, 90-91	2

1419	Neural Connectivity Evidence for a Categorical-Dimensional Hybrid Model of Autism Spectrum Disorder. 2016 , 80, 120-128	49
1418	Asymmetry of fusiform structure in autism spectrum disorder: trajectory and association with symptom severity. 2016 , 7, 28	25
1417	The effect of gender on the neuroanatomy of children with autism spectrum disorders: a support vector machine case-control study. 2016 , 7, 5	54
1416	Brainhack: a collaborative workshop for the open neuroscience community. 2016 , 5, 16	23
1415	Atypical developmental of dorsal and ventral attention networks in autism. 2016 , 19, 550-63	45
1414	The Image and Data Archive at the Laboratory of Neuro Imaging. 2016 , 124, 1080-1083	23
1413	Intrinsic Visual-Motor Synchrony Correlates With Social Deficits in Autism. 2016 , 79, 633-41	90
1412	Developmental differences in the neural mechanisms of facial emotion labeling. 2016 , 11, 172-81	14
1411	Underconnected, But Not Broken? Dynamic Functional Connectivity MRI Shows Underconnectivity in Autism Is Linked to Increased Intra-Individual Variability Across Time. 2016 , 6, 403-14	72
1410	Pooling Morphometric Estimates: A Statistical Equivalence Approach. 2016 , 26, 109-15	8
1409	Atypical Amygdala Response to Fear Conditioning in Autism Spectrum Disorder. 2016 , 1, 308-315	24
1408	Sex differences in autism: a resting-state fMRI investigation of functional brain connectivity in males and females. 2016 , 11, 1002-16	105
1407	Similarly Expanded Bilateral Temporal Lobe Volumes in Female and Male Children With Autism Spectrum Disorder. 2016 , 1, 178-185	10
1406	Periventricular white matter abnormalities and restricted repetitive behavior in autism spectrum disorder. 2016 , 10, 36-45	17
1405	So close yet so far: Motor anomalies impacting on social functioning in autism spectrum disorder. 2016 , 63, 98-105	66
1404	Learning delays in a mouse model of Autism Spectrum Disorder. 2016 , 303, 201-7	18
1403	Neuroimaging-Based Phenotyping of the Autism Spectrum. 2017 , 30, 341-355	21
1402	Neural correlates of emotion processing during observed self-face recognition in individuals with autism spectrum disorders. 2016 , 26, 16-32	5

1401	Monogenic mouse models of autism spectrum disorders: Common mechanisms and missing links. 2016 , 321, 3-23	47
1400	Disrupted amplitude of low-frequency fluctuations in antipsychotic-naïve adolescents with early-onset schizophrenia. 2016 , 249, 20-6	17
1399	Action observation and imitation in autism spectrum disorders: an ALE meta-analysis of fMRI studies. 2016 , 10, 960-969	36
1398	The MNI data-sharing and processing ecosystem. 2016 , 124, 1188-1195	31
1397	National Database for Autism Research (NDAR): Big Data Opportunities for Health Services Research and Health Technology Assessment. 2016 , 34, 127-38	39
1396	Insula response and connectivity during social and non-social attention in children with autism. 2016 , 11, 433-44	55
1395	Multivariate classification of autism spectrum disorder using frequency-specific resting-state functional connectivity--A multi-center study. 2016 , 64, 1-9	100
1394	Regional Homogeneity: A Multimodal, Multiscale Neuroimaging Marker of the Human Connectome. 2016 , 22, 486-505	144
1393	Neuroimaging data sharing on the neuroinformatics database platform. 2016 , 124, 1089-1092	11
1392	A database of age-appropriate average MRI templates. 2016 , 124, 1254-1259	145
1391	Brain structure in autism: a voxel-based morphometry analysis of the Autism Brain Imaging Database Exchange (ABIDE). 2017 , 11, 541-551	40
1390	Single subject prediction of brain disorders in neuroimaging: Promises and pitfalls. 2017 , 145, 137-165	452
1389	Shared atypical brain anatomy and intrinsic functional architecture in male youth with autism spectrum disorder and their unaffected brothers. 2017 , 47, 639-654	8
1388	The singular nature of auditory and visual scene analysis in autism. 2017 , 372,	13
1387	A multidimensional feature space for automatic classification of autism spectrum disorders (ASD). 2017 ,	1
1386	Disentangling resting-state BOLD variability and PCC functional connectivity in 22q11.2 deletion syndrome. 2017 , 149, 85-97	33
1385	Features of the broader autism phenotype in people with epilepsy support shared mechanisms between epilepsy and autism spectrum disorder. 2017 , 75, 203-233	16
1384	A variance components model for statistical inference on functional connectivity networks. 2017 , 149, 256-266	13

1383	Characterizing Attention with Predictive Network Models. 2017 , 21, 290-302	77
1382	Toddlers later diagnosed with autism exhibit multiple structural abnormalities in temporal corpus callosum fibers. 2017 , 97, 291-305	27
1381	Cellular and Circuitry Bases of Autism: Lessons Learned from the Temporospatial Manipulation of Autism Genes in the Brain. 2017 , 33, 205-218	9
1380	Longitudinal test-retest neuroimaging data from healthy young adults in southwest China. 2017 , 4, 170017	64
1379	Cognitive genomics: Linking genes to behavior in the human brain. 2017 , 1, 3-13	5
1378	Atypical developmental trajectory of local spontaneous brain activity in autism spectrum disorder. 2017 , 7, 39822	16
1377	Tai Chi Chuan and Baduanjin practice modulates functional connectivity of the cognitive control network in older adults. 2017 , 7, 41581	58
1376	Clinically useful brain imaging for neuropsychiatry: How can we get there?. 2017 , 34, 578-587	21
1375	Structural brain changes in medically refractory focal epilepsy resemble premature brain aging. 2017 , 133, 28-32	60
1374	Understanding principles of integration and segregation using whole-brain computational connectomics: implications for neuropsychiatric disorders. 2017 , 375,	49
1373	Consistency of Regions of Interest as nodes of fMRI functional brain networks. 2017 , 1, 254-274	34
1372	Neural plasticity in amplitude of low frequency fluctuation, cortical hub construction, regional homogeneity resulting from working memory training. 2017 , 7, 1470	17
1371	Intrinsic functional organization of putative language networks in the brain following left cerebral hemispherectomy. 2017 , 222, 3795-3805	16
1370	High-resolution magnetic resonance imaging reveals nuclei of the human amygdala: manual segmentation to automatic atlas. 2017 , 155, 370-382	151
1369	Putative Brain Networks Underlying Repetitive Negative Thinking and Comorbid Internalizing Problems in Autism. 2017 , 5, 522-536	19
1368	Autism spectrum disorders: Neuroimaging findings from systematic reviews. 2017 , 34, 28-33	19
1367	The Neural Correlates of Emotional Lability in Children with Autism Spectrum Disorder. 2017 , 7, 281-288	7
1366	ARIANNA: A research environment for neuroimaging studies in autism spectrum disorders. 2017 , 87, 1-7	5

1365	Dynamic brain glucose metabolism identifies anti-correlated cortical-cerebellar networks at rest. 2017 , 37, 3659-3670	31
1364	Electrophysiological signatures of atypical intrinsic brain connectivity networks in autism. 2017 , 14, 046010	14
1363	Disruption to control network function correlates with altered dynamic connectivity in the wider autism spectrum. 2017 , 15, 513-524	63
1362	Cortical Thickness Abnormalities in Autism Spectrum Disorders Through Late Childhood, Adolescence, and Adulthood: A Large-Scale MRI Study. 2017 , 27, 1721-1731	92
1361	Candidate Biomarkers in Children with Autism Spectrum Disorder: A Review of MRI Studies. 2017 , 33, 219-237	59
1360	Screening of autism based on task-free fMRI using graph theoretical approach. 2017 , 263, 48-56	26
1359	A Volumetric and Functional Connectivity MRI Study of Brain Arginine-Vasopressin Pathways in Autistic Children. 2017 , 33, 130-142	21
1358	High-dimensional tests for functional networks of brain anatomic regions. 2017 , 156, 70-88	1
1357	Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. 2017 , 4, 170010	224
1356	Rodent models of genetic and chromosomal variations in psychiatric disorders. 2017 , 71, 508-517	5
1355	The Changing Epidemiology of Autism Spectrum Disorders. 2017 , 38, 81-102	404
1354	Computational neuroscience approach to biomarkers and treatments for mental disorders. 2017 , 71, 215-237	59
1353	Developmental changes in neuromagnetic rhythms and network synchrony in autism. 2017 , 81, 199-211	22
1352	Disentangling subgroups of participants recruiting shared as well as different brain regions for the execution of the verb generation task: A data-driven fMRI study. 2017 , 86, 247-259	12
1351	Resting-State Functional Connectivity-Based Biomarkers and Functional MRI-Based Neurofeedback for Psychiatric Disorders: A Challenge for Developing Theranostic Biomarkers. 2017 , 20, 769-781	71
1350	Neonatal and regressive forms of autism: Diseases with similar symptoms but a different etiology. 2017 , 109, 46-52	5
1349	Identifying Autism from Resting-State fMRI Using Long Short-Term Memory Networks. 2017 , 10541, 362-370	87
1348	Executive function and functional and structural brain differences in middle-age adults with autism spectrum disorder. 2017 , 10, 1945-1959	46

1347	Spectral Graph Convolutions for Population-Based Disease Prediction. 2017 , 177-185	58
1346	A Multi-armed Bandit to Smartly Select a Training Set from Big Medical Data. 2017 , 38-45	2
1345	Retrospective Head Motion Estimation in Structural Brain MRI with 3D CNNs. 2017 , 314-322	4
1344	Concordance among indices of intrinsic brain function: Insights from inter-individual variation and temporal dynamics. 2017 , 62, 1572-1584	48
1343	Distributed Intrinsic Functional Connectivity Patterns Predict Diagnostic Status in Large Autism Cohort. 2017 , 7, 515-525	18
1342	Multiple functional networks modeling for autism spectrum disorder diagnosis. 2017 , 38, 5804-5821	27
1341	Multidimensional encoding of brain connectomes. 2017 , 7, 11491	30
1340	Effects of spatial smoothing on functional brain networks. 2017 , 46, 2471-2480	54
1339	Cerebellar anatomical alterations and attention to eyes in autism. 2017 , 7, 12008	23
1338	Changes in intrinsic local connectivity after reading intervention in children with autism. 2017 , 175, 11-17	8
1337	Shared atypical default mode and salience network functional connectivity between autism and schizophrenia. 2017 , 10, 1776-1786	37
1336	Automated brain state identification using graph embedding. 2017 ,	1
1335	The impact of T1 versus EPI spatial normalization templates for fMRI data analyses. 2017 , 38, 5331-5342	116
1334	Psychotropic medication use in autism spectrum disorders may affect functional brain connectivity. 2017 , 2, 518-527	24
1333	Resting-state functional under-connectivity within and between large-scale cortical networks across three low-frequency bands in adolescents with autism. 2017 , 79, 434-441	22
1332	Big Data and Neuroimaging. 2017 , 9, 543-558	6
1331	Intrinsic functional connectivity variance and state-specific under-connectivity in autism. 2017 , 38, 5740-5755	64
1330	Auditory processing enhancements in the TS2-neo mouse model of Timothy Syndrome, a rare genetic disorder associated with autism spectrum disorders. 2017 , 1, 176-189	8

1329	Resting-State fMRI Functional Connectivity: Big Data Preprocessing Pipelines and Topological Data Analysis. 2017 , 3, 415-428	25
1328	An altered scaffold for information processing: Cognitive control development in adolescents with autism. 2017 , 2, 464-475	7
1327	A constrained (ell) ₁ minimization approach for estimating multiple sparse Gaussian or nonparanormal graphical models. 2017 , 106, 1381-1417	5
1326	Brain network dynamics in high-functioning individuals with autism. 2017 , 8, 16048	62
1325	An ideal disorder? Autism as a psychiatric kind. 2017 , 20, 175-190	5
1324	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. 2017 , 8, 24	106
1323	Graph theoretical approaches towards understanding differences in frontoparietal and default mode networks in Autism. 2017 , 2017, 460-463	3
1322	Brief Report: The Negev Hospital-University-Based (HUB) Autism Database. 2017 , 47, 2918-2926	20
1321	Joint prediction of multiple scores captures better individual traits from brain images. 2017 , 158, 145-154	24
1320	Imaging sex/gender and autism in the brain: Etiological implications. 2017 , 95, 380-397	86
1319	On the brain structure heterogeneity of autism: Parsing out acquisition site effects with significance-weighted principal component analysis. 2017 , 38, 1208-1223	27
1318	Neural complexity as a potential translational biomarker for psychosis. 2017 , 216, 89-99	27
1317	The neurobiology of addiction: the perspective from magnetic resonance imaging present and future. 2017 , 112, 360-369	34
1316	Feature fusion via hierarchical supervised local CCA for diagnosis of autism spectrum disorder. 2017 , 11, 1050-1060	11
1315	Identifying differences in brain activities and an accurate detection of autism spectrum disorder using resting state functional-magnetic resonance imaging : A spatial filtering approach. 2017 , 35, 375-389	38
1314	Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data. 2017 , 144, 128-141	43
1313	Aberrant Oscillatory Synchrony Is Biased Toward Specific Frequencies and Processing Domains in the Autistic Brain. 2017 , 2, 245-252	8
1312	Network organization is globally atypical in autism: A graph theory study of intrinsic functional connectivity. 2017 , 2, 66-75	43

1311	Thalamocortical dysconnectivity in autism spectrum disorder: An analysis of the Autism Brain Imaging Data Exchange. 2017 , 2, 76-84	56
1310	Deriving reproducible biomarkers from multi-site resting-state data: An Autism-based example. 2017 , 147, 736-745	314
1309	Motion-related artifacts in structural brain images revealed with independent estimates of in-scanner head motion. 2017 , 38, 472-492	98
1308	Challenges in the analysis of complex systems: introduction and overview. 2017 , 226, 3185-3197	2
1307	Learning population and subject-specific brain connectivity networks via mixed neighborhood selection. 2017 , 11,	5
1306	Modelling neuroanatomical variation during childhood and adolescence with neighbourhood-preserving embedding. 2017 , 7, 17796	15
1305	Partition-based ultrahigh-dimensional variable screening. 2017 , 104, 785-800	10
1304	Sharing Data to Solve the Autism Riddle: An Interview with Adriana Di Martino and Michael Milham of ABIDE. 2017 , 8, 6-9	3
1303	PCA leverage: outlier detection for high-dimensional functional magnetic resonance imaging data. 2017 , 18, 521-536	16
1302	The functional regions in structural controllability of human functional brain networks. 2017 ,	1
1301	. 2017 ,	7
1300	Bibliography. 193-224	
1299	Differences in Action Style Recognition in Children with Autism Spectrum Disorders. 2017 , 8, 1456	21
1298	Resting-State Functional Connectivity in Autism Spectrum Disorders: A Review. 2016 , 7, 205	213
1297	Direct modulation of aberrant brain network connectivity through real-time NeuroFeedback. 2017 , 6,	58
1296	Advances in Studying Brain Morphology: The Benefits of Open-Access Data. 2017 , 11, 405	20
1295	Autism Spectrum Disorder Related Functional Connectivity Changes in the Language Network in Children, Adolescents and Adults. 2017 , 11, 418	32
1294	Cyberinfrastructure for Open Science at the Montreal Neurological Institute. 2016 , 10, 53	21

1293	Remodeling Pearson's Correlation for Functional Brain Network Estimation and Autism Spectrum Disorder Identification. 2017 , 11, 55	37
1292	Functional Brain Imaging Synthesis Based on Image Decomposition and Kernel Modeling: Application to Neurodegenerative Diseases. 2017 , 11, 65	9
1291	Transcutaneous Vagus Nerve Stimulation: A Promising Method for Treatment of Autism Spectrum Disorders. 2016 , 10, 609	26
1290	A Statistical Method to Distinguish Functional Brain Networks. 2017 , 11, 66	10
1289	Latent and Abnormal Functional Connectivity Circuits in Autism Spectrum Disorder. 2017 , 11, 125	7
1288	Investigating Brain Connectomic Alterations in Autism Using the Reproducibility of Independent Components Derived from Resting State Functional MRI Data. 2017 , 11, 459	11
1287	Diagnosing Autism Spectrum Disorder from Brain Resting-State Functional Connectivity Patterns Using a Deep Neural Network with a Novel Feature Selection Method. 2017 , 11, 460	86
1286	MRIQC: Advancing the automatic prediction of image quality in MRI from unseen sites. 2017 , 12, e0184661	231
1285	Parallel group independent component analysis for massive fMRI data sets. 2017 , 12, e0173496	5
1284	Is functional brain connectivity atypical in autism? A systematic review of EEG and MEG studies. 2017 , 12, e0175870	141
1283	A fast stochastic framework for automatic MR brain images segmentation. 2017 , 12, e0187391	9
1282	Hippocampus and amygdala radiomic biomarkers for the study of autism spectrum disorder. 2017 , 18, 52	51
1281	Globally weaker and topologically different: resting-state connectivity in youth with autism. 2017 , 8, 39	25
1280	Fractal Analysis of Brain Blood Oxygenation Level Dependent (BOLD) Signals from Children with Mild Traumatic Brain Injury (mTBI). 2017 , 12, e0169647	9
1279	Bayesian Multiresolution Variable Selection for Ultra-High Dimensional Neuroimaging Data. 2018 , 15, 537-550	6
1278	Predicting Autism Spectrum Disorder Using Domain-Adaptive Cross-Site Evaluation. 2018 , 16, 197-205	18
1277	Prediction complements explanation in understanding the developing brain. 2018 , 9, 589	79
1276	Brain dynamics in ASD during movie-watching show idiosyncratic functional integration and segregation. 2018 , 39, 2391-2404	26

1275	Genetic associations with childhood brain growth, defined in two longitudinal cohorts. 2018 , 42, 405-414	9
1274	Increased functional connectivity of the posterior cingulate cortex with the lateral orbitofrontal cortex in depression. 2018 , 8, 90	53
1273	Different brain networks underlying intelligence in autism spectrum disorders. 2018 , 39, 3253-3262	17
1272	Gaussian process uncertainty in age estimation as a measure of brain abnormality. 2018 , 175, 246-258	31
1271	Modeling autism in non-human primates: Opportunities and challenges. 2018 , 11, 686-694	21
1270	Quality evaluation of no-reference MR images using multidirectional filters and image statistics. 2018 , 80, 914-924	11
1269	Neuroimaging in neurodevelopmental disorders: focus on resting-state fMRI analysis of intrinsic functional brain connectivity. 2018 , 31, 140-148	9
1268	The Importance of the Left Occipitotemporal Cortex in Developmental Dyslexia. 2018 , 5, 1-8	18
1267	Neural circuitry underlying sustained attention in healthy adolescents and in ADHD symptomatology. 2018 , 169, 395-406	31
1266	Metric learning with spectral graph convolutions on brain connectivity networks. 2018 , 169, 431-442	122
1265	Insight and inference for DVARS. 2018 , 172, 291-312	41
1264	Subtyping cognitive profiles in Autism Spectrum Disorder using a Functional Random Forest algorithm. 2018 , 172, 674-688	71
1263	Multimodal approaches to functional connectivity in autism spectrum disorders: An integrative perspective. 2018 , 78, 456-473	25
1262	Repetitive behaviors in autism are linked to imbalance of corticostriatal connectivity: a functional connectivity MRI study. 2018 , 13, 32-42	49
1261	Network-specific sex differentiation of intrinsic brain function in males with autism. 2018 , 9, 17	33
1260	Erythrocyte fatty acid profiles in children are not predictive of autism spectrum disorder status: a case control study. 2018 , 6, 12	8
1259	Influences of Hunger, Satiety and Oral Glucose on Functional Brain Connectivity: A Multimethod Resting-State fMRI Study. 2018 , 382, 80-92	17
1258	Aberrant hemodynamic responses in autism: Implications for resting state fMRI functional connectivity studies. 2018 , 19, 320-330	21

1257	Autism-associated 16p11.2 microdeletion impairs prefrontal functional connectivity in mouse and human. 2018 , 141, 2055-2065	64
1256	Altered Neocortical Gene Expression, Brain Overgrowth and Functional Over-Connectivity in Chd8 Haploinsufficient Mice. 2018 , 28, 2192-2206	65
1255	Advances, challenges, and promises in pediatric neuroimaging of neurodevelopmental disorders. 2018 , 90, 50-69	11
1254	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. 2018 , 172, 478-491	17
1253	Alterations of White Matter Connectivity in Preschool Children with Autism Spectrum Disorder. 2018 , 288, 209-217	18
1252	Personalized Intrinsic Network Topography Mapping and Functional Connectivity Deficits in Autism Spectrum Disorder. 2018 , 84, 278-286	32
1251	A Network Neuroscience Approach to Typical and Atypical Brain Development. 2018 , 3, 754-766	25
1250	Different aberrant mentalizing networks in males and females with autism spectrum disorders: Evidence from resting-state functional magnetic resonance imaging. 2018 , 22, 134-148	13
1249	ECA: High-Dimensional Elliptical Component Analysis in Non-Gaussian Distributions. 2018 , 113, 252-268	17
1248	3D fully convolutional networks for subcortical segmentation in MRI: A large-scale study. 2018 , 170, 456-470	192
1247	Homozygous Loss of Autism-Risk Gene CNTNAP2 Results in Reduced Local and Long-Range Prefrontal Functional Connectivity. 2018 , 28, 1141-1153	55
1246	The effect of age, sex and clinical features on the volume of Corpus Callosum in pre-schoolers with Autism Spectrum Disorder: a case-control study. 2018 , 47, 568-578	17
1245	Connectivity-based parcellation reveals distinct cortico-striatal connectivity fingerprints in Autism Spectrum Disorder. 2018 , 170, 412-423	37
1244	Local resting state functional connectivity in autism: site and cohort variability and the effect of eye status. 2018 , 12, 168-179	29
1243	Comparison of separation performance of independent component analysis algorithms for fMRI data. 2017 , 16, 157-175	1
1242	Mindcontrol: A web application for brain segmentation quality control. 2018 , 170, 365-372	29
1241	Cross-validation failure: Small sample sizes lead to large error bars. 2018 , 180, 68-77	250
1240	Revisiting subcortical brain volume correlates of autism in the ABIDE dataset: effects of age and sex. 2018 , 48, 654-668	22

1239	Identification of lateralized compensatory neural activities within the social brain due to autism spectrum disorder in adolescent males. 2018 , 47, 631-642	11
1238	NAPR: a Cloud-Based Framework for Neuroanatomical Age Prediction. 2018 , 16, 43-49	15
1237	Effective Connectivity in Depression. 2018 , 3, 187-197	25
1236	Multidimensional Neuroanatomical Subtyping of Autism Spectrum Disorder. 2018 , 28, 3578-3588	49
1235	Disrupted integration of exteroceptive and interoceptive signaling in autism spectrum disorder. 2018 , 11, 194-205	37
1234	Cerebellar Volume in Autism: Literature Meta-analysis and Analysis of the Autism Brain Imaging Data Exchange Cohort. 2018 , 83, 579-588	33
1233	Three shades of grey: detecting brain abnormalities in children with autism using source-, voxel- and surface-based morphometry. 2018 , 47, 690-700	21
1232	A multi-level classification framework for multi-site medical data: Application to the ADHD-200 collection. 2018 , 91, 36-45	23
1231	Identification of autism spectrum disorder using deep learning and the ABIDE dataset. 2018 , 17, 16-23	323
1230	Age and Gender Effects on Intrinsic Connectivity in Autism Using Functional Integration and Segregation. 2018 , 3, 414-422	12
1229	Ripe for solution: Delayed development of multisensory processing in autism and its remediation. 2018 , 84, 182-192	52
1228	Paediatric population neuroimaging and the Generation R Study: the second wave. 2018 , 33, 99-125	74
1227	Aberrant development of the asymmetry between hemispheric brain white matter networks in autism spectrum disorder. 2018 , 28, 48-62	15
1226	Disrupted focal white matter integrity in autism spectrum disorder: A voxel-based meta-analysis of diffusion tensor imaging studies. 2018 , 82, 242-248	25
1225	Cortical and Subcortical Brain Morphometry Differences Between Patients With Autism Spectrum Disorder and Healthy Individuals Across the Lifespan: Results From the ENIGMA ASD Working Group. 2018 , 175, 359-369	188
1224	Harmonization of cortical thickness measurements across scanners and sites. 2018 , 167, 104-120	286
1223	Segmentation of the hippocampus by transferring algorithmic knowledge for large cohort processing. 2018 , 43, 214-228	35
1222	Use of Raman spectroscopy to screen diabetes mellitus with machine learning tools. 2018 , 9, 4998-5010	46

1221	Convolutional Neural Network with Element-wise Filters to Extract Hierarchical Topological Features for Brain Networks. 2018,	18
1220	Technology Enablers for Big Data, Multi-Stage Analysis in Medical Image Processing. 2018,	1
1219	Diagnosing of Autism Spectrum Disorder based on GARCH Variance Series for rs-fMRI data. 2018,	5
1218	Automated Image Quality Evaluation of Structural Brain Magnetic Resonance Images using Deep Convolutional Neural Networks. 2018,	3
1217	Anatomical Priors in Convolutional Networks for Unsupervised Biomedical Segmentation. 2018,	52
1216	Support Vector Machines, Multidimensional Scaling and Magnetic Resonance Imaging Reveal Structural Brain Abnormalities Associated With the Interaction Between Autism Spectrum Disorder and Sex. 2018, 12, 93	10
1215	Somatosensory Regions Show Limited Functional Connectivity Differences in Youth with Autism Spectrum Disorder. 2018, 8, 558-566	3
1214	Developmental changes of cortical white-gray contrast as predictors of autism diagnosis and severity. 2018, 8, 249	16
1213	From bedside to bench and back: Translating ASD models. 2018, 241, 113-158	1
1212	Intravascular Imaging and Computer Assisted Stenting and Large-Scale Annotation of Biomedical Data and Expert Label Synthesis. 2018,	
1211	Functional MRI connectivity of children with autism and low verbal and cognitive performance. 2018, 9, 67	39
1210	Neural Correlates of Sensory Abnormalities Across Developmental Disabilities. 2018, 55, 83-143	4
1209	An Unsupervised Learning Model for Deformable Medical Image Registration. 2018,	227
1208	Autism-associated CHD8 deficiency impairs axon development and migration of cortical neurons. 2018, 9, 65	34
1207	Resting-state brain activity in Chinese boys with low functioning autism spectrum disorder. 2018, 17, 47	6
1206	Improving Out-of-Sample Prediction of Quality of MRIQC. 2018, 190-199	
1205	Sex-Dependent Motor Deficit and Increased Anxiety-Like States in Mice Lacking Autism-Associated Gene. 2018, 12, 261	7
1204	Imbalance of Functional Connectivity and Temporal Entropy in Resting-State Networks in Autism Spectrum Disorder: A Machine Learning Approach. 2018, 12, 869	8

1203	Evaluation of Differences in Temporal Synchrony Between Brain Regions in Individuals With Autism and Typical Development. 2018 , 1, e184777	20
1202	Altered Functional Connectivity Observed at Rest in Children and Adolescents Prenatally Exposed to Alcohol. 2018 , 8, 503-515	8
1201	Unsupervised Learning for Fast Probabilistic Diffeomorphic Registration. 2018 , 729-738	115
1200	The Dynamic Measurements of Regional Brain Activity for Resting-State fMRI: d-ALFF, d-fALFF and d-ReHo. 2018 , 190-197	3
1199	Learning Generalizable Recurrent Neural Networks from Small Task-fMRI Datasets. 2018 , 11072, 329-337	10
1198	Influence of Music Training on the Plasticity of the Brain. 2018 , 16,	1
1197	Alpha Waves as a Neuromarker of Autism Spectrum Disorder: The Challenge of Reproducibility and Heterogeneity. 2018 , 12, 662	16
1196	Using resting state functional MRI to build a personalized autism diagnosis system. 2018 , 13, e0206351	25
1195	Hack weeks as a model for data science education and collaboration. 2018 , 115, 8872-8877	22
1194	A systematic review of structural MRI biomarkers in autism spectrum disorder: A machine learning perspective. 2018 , 71, 68-82	49
1193	Abnormal Morphology of Select Cortical and Subcortical Regions in Neurofibromatosis Type 1. 2018 , 289, 499-508	5
1192	White matter endophenotypes and correlates for the clinical diagnosis of autism spectrum disorder. 2018 , 13, 765-773	11
1191	COMBINING PHENOTYPIC AND RESTING-STATE FMRI DATA FOR AUTISM CLASSIFICATION WITH RECURRENT NEURAL NETWORKS. 2018 , 2018, 725-728	26
1190	Functional connectivity of the human amygdala in health and in depression. 2018 , 13, 557-568	31
1189	Functional brain lateralization in schizophrenia based on the variability of resting-state fMRI signal. 2018 , 86, 114-121	12
1188	Disease prediction using graph convolutional networks: Application to Autism Spectrum Disorder and Alzheimer's disease. 2018 , 48, 117-130	186
1187	Number of Useful Components in Gaussian Mixture Models for Patch-Based Image Denoising. 2018 , 108-116	0
1186	Estimated hemodynamic response function parameters obtained from resting state BOLD fMRI signals in subjects with autism spectrum disorder and matched healthy subjects. 2018 , 19, 1305-1309	6

1185	Statistical harmonization corrects site effects in functional connectivity measurements from multi-site fMRI data. 2018 , 39, 4213-4227	117
1184	The Triple Network Model, Insight, and Large-Scale Brain Organization in Autism. 2018 , 84, 236-238	14
1183	Growing a social brain. 2018 , 2, 624-636	136
1182	Abnormal Functional Connectivity of Resting State Network Detection Based on Linear ICA Analysis in Autism Spectrum Disorder. 2018 , 9, 475	16
1181	A Novel Transfer Learning Approach to Enhance Deep Neural Network Classification of Brain Functional Connectomes. 2018 , 12, 491	70
1180	Regions of Interest as nodes of dynamic functional brain networks. 2018 , 2, 513-535	9
1179	Atypical structural and functional motor networks in autism. 2018 , 238, 207-248	21
1178	Differences in Cortical Structure and Functional MRI Connectivity in High Functioning Autism. 2018 , 9, 539	32
1177	Classification of Autism Spectrum Disorder Using Random Support Vector Machine Cluster. 2018 , 9, 18	51
1176	Diagnosis of Autism Spectrum Disorders Using Multi-Level High-Order Functional Networks Derived From Resting-State Functional MRI. 2018 , 12, 184	34
1175	Inter-subject Registration of Functional Images: Do We Need Anatomical Images?. 2018 , 12, 64	20
1174	Both Hypo-Connectivity and Hyper-Connectivity of the Insular Subregions Associated With Severity in Children With Autism Spectrum Disorders. 2018 , 12, 234	10
1173	Characterization of Noise Signatures of Involuntary Head Motion in the Autism Brain Imaging Data Exchange Repository. 2018 , 12, 7	9
1172	Age, Disease, and Their Interaction Effects on Intrinsic Connectivity of Children and Adolescents in Autism Spectrum Disorder Using Functional Connectomics. 2018 , 8, 407-419	5
1171	Different Developmental Pattern of Brain Activities in ADHD: A Study of Resting-State fMRI. 2018 , 40, 246-257	14
1170	Data management and sharing in neuroimaging: Practices and perceptions of MRI researchers. 2018 , 13, e0200562	20
1169	Assessment of the impact of shared brain imaging data on the scientific literature. 2018 , 9, 2818	53
1168	The Microglial Innate Immune Receptor TREM2 Is Required for Synapse Elimination and Normal Brain Connectivity. 2018 , 48, 979-991.e8	218

1167	Combination of rs-fMRI and sMRI Data to Discriminate Autism Spectrum Disorders in Young Children Using Deep Belief Network. 2018 , 31, 895-903	59
1166	Regional volumetric abnormalities in pediatric autism revealed by structural magnetic resonance imaging. 2018 , 71, 34-45	16
1165	Comparing fully automated state-of-the-art cerebellum parcellation from magnetic resonance images. 2018 , 183, 150-172	40
1164	Social Cognition, the Amygdala, and Autism. 2018 , 1-18	
1163	Classification and Prediction of Brain Disorders Using Functional Connectivity: Promising but Challenging. 2018 , 12, 525	107
1162	The vast potential and bright future of neuroimaging. 2018 , 91, 20170505	6
1161	Alterations in neuronal cytoskeletal and astrocytic proteins content in the brain of the autistic-like mouse strain C58/J. 2018 , 682, 32-38	12
1160	Multiple Matrix Gaussian Graphs Estimation. 2018 , 80, 927-950	9
1159	Transient increased thalamic-sensory connectivity and decreased whole-brain dynamism in autism. 2019 , 190, 191-204	54
1158	Identifying disease-related subnetwork connectome biomarkers by sparse hypergraph learning. 2019 , 13, 879-892	14
1157	Disrupted Cerebrocerebellar Intrinsic Functional Connectivity in Young Adults with High-Functioning Autism Spectrum Disorder: A Data-Driven, Whole-Brain, High-Temporal Resolution Functional Magnetic Resonance Imaging Study. 2019 , 9, 48-59	31
1156	Local Cortical Gyrification is Increased in Children With Autism Spectrum Disorders, but Decreases Rapidly in Adolescents. 2019 , 29, 2412-2423	24
1155	Dysregulated Maturation of the Functional Connectome in Antipsychotic-Naïve, First-Episode Patients With Adolescent-Onset Schizophrenia. 2019 , 45, 689-697	20
1154	A Bayesian Approach to Statistical Shape Analysis via the Projected Normal Distribution. 2019 , 14,	1
1153	Medical Image Imputation from Image Collections. 2018 ,	23
1152	Atypical Local and Distal Patterns of Occipito-frontal Functional Connectivity are Related to Symptom Severity in Autism. 2019 , 29, 3319-3330	12
1151	Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. 2019 , 185, 664-684	54
1150	A Paradigm for Longitudinal Complex Network Analysis over Patient Cohorts in Neuroscience. 2019 , 7, 196-214	1

1149	Thalamic volume, resting-state activity, and their association with the efficacy of electroconvulsive therapy. 2019 , 117, 135-141	10
1148	Multimodal Neuroimaging Patterns Associated with Social Responsiveness Impairment in Autism: A Replication Study. 2019 ,	
1147	Stepwise functional connectivity reveals altered sensory-multimodal integration in medication-naïve adults with attention deficit hyperactivity disorder. 2019 , 40, 4645-4656	7
1146	Characterizing and Predicting Autism Spectrum Disorder by Performing Resting-State Functional Network Community Pattern Analysis. 2019 , 13, 203	15
1145	Learning-Based Optimization of the Under-Sampling Pattern in MRI. 2019 , 780-792	19
1144	Unsupervised learning of probabilistic diffeomorphic registration for images and surfaces. 2019 , 57, 226-236	85
1143	Quantifying deep grey matter atrophy using automated segmentation approaches: A systematic review of structural MRI studies. 2019 , 201, 116018	13
1142	Infraslow State Fluctuations Govern Spontaneous fMRI Network Dynamics. 2019 , 29, 2295-2306.e5	56
1141	Resting-State fMRI Networks in Children with Tuberous Sclerosis Complex. 2019 , 29, 750-759	4
1140	Functional Connectivities Are More Informative Than Anatomical Variables in Diagnostic Classification of Autism. 2019 , 9, 604-612	8
1139	From pattern classification to stratification: towards conceptualizing the heterogeneity of Autism Spectrum Disorder. 2019 , 104, 240-254	37
1138	Head motion: the dirty little secret of neuroimaging in psychiatry. 2019 , 44, 62-68	23
1137	Generalizability and reproducibility of functional connectivity in autism. 2019 , 10, 27	45
1136	An efficient Meta-cognitive Fuzzy C-Means clustering approach. 2019 , 85, 105838	7
1135	The Pressure Pulsation and Spectrum Analysis of Ducted Propeller Based on SST k- μ model. 2019 , 1300, 012080	
1134	Use of health-related indices and classification methods in medical data. 2019 , 31-66	1
1133	Intrinsic Functional Connectivity of Dentate Nuclei in Autism Spectrum Disorder. 2019 , 9, 692-702	6
1132	Evaluation of Altered Functional Connections in Male Children With Autism Spectrum Disorders on Multiple-Site Data Optimized With Machine Learning. 2019 , 10, 620	12

1131	Aberrant "deep connectivity" in autism: A cortico-subcortical functional connectivity magnetic resonance imaging study. 2019 , 12, 384-400	28
1130	Effects of Overweight or Obesity on Brain Resting State Functional Connectivity of Children with Autism Spectrum Disorder. 2019 , 49, 4751-4760	3
1129	Aberrant Functional Connectivity Dynamics of Superior Temporal Sulcus and Its Associations with GABA Genes Expression in Autism. 2019 ,	
1128	Identification of Autism Based on SVM-RFE and Stacked Sparse Auto-Encoder. 2019 , 7, 118030-118036	25
1127	Patterns of Cerebellar Connectivity with Intrinsic Connectivity Networks in Autism Spectrum Disorders. 2019 , 49, 4498-4514	0
1126	Estimating repetitive spatiotemporal patterns from many subjects' resting-state fMRIs. 2019 , 203, 116182	2
1125	Diagnosis of Autism Spectrum Disorder Based on Eigenvalues of Brain Networks. 2019 , 7, 128474-128486	25
1124	Multiple Deep Learning Architectures Achieve Superior Performance Diagnosing Autism Spectrum Disorder Using Features Previously Extracted from Structural and Functional MRI. 2019 , 2019, 1891-1895	10
1123	Functional connectivity-based classification of autism and control using SVM-RFECV on rs-fMRI data. 2019 , 65, 99-105	33
1122	Qoala-T: A supervised-learning tool for quality control of FreeSurfer segmented MRI data. 2019 , 189, 116-129	66
1121	Emerging Applications of Artificial Intelligence in Neuro-Oncology. 2019 , 290, 607-618	87
1120	PaperBot: open-source web-based search and metadata organization of scientific literature. 2019 , 20, 50	5
1119	The Brain Basis of Comorbidity in Neurodevelopmental Disorders. 2019 , 6, 9-18	4
1118	Autism spectrum disorders: let's talk about glucose?. 2019 , 9, 51	16
1117	Overt social interaction and resting state in young adult males with autism: core and contextual neural features. 2019 , 142, 808-822	19
1116	Topological Properties of Resting-State fMRI Functional Networks Improve Machine Learning-Based Autism Classification. 2018 , 12, 1018	37
1115	VoxelMorph: A Learning Framework for Deformable Medical Image Registration. 2019 ,	421
1114	A Neuroanatomical Substrate Linking Perceptual Stability to Cognitive Rigidity in Autism. 2019 , 39, 6540-6554	9

1113	Resting-State Brain Network Dysfunctions Associated With Visuomotor Impairments in Autism Spectrum Disorder. 2019 , 13, 17	10
1112	A Personalized Autism Diagnosis CAD System Using a Fusion of Structural MRI and Resting-State Functional MRI Data. 2019 , 10, 392	31
1111	Automagic: Standardized preprocessing of big EEG data. 2019 , 200, 460-473	52
1110	Influence of the corticospinal tract wiring pattern on sensorimotor functional connectivity and clinical correlates of upper limb function in unilateral cerebral palsy. 2019 , 9, 8230	12
1109	Bayesian framework for robust seed-based correlation analysis. 2019 , 46, 3055-3066	2
1108	Application of Graph Theory for Identifying Connectivity Patterns in Human Brain Networks: A Systematic Review. 2019 , 13, 585	150
1107	Common reducing subspace model and network alternation analysis. 2019 , 75, 1109-1120	4
1106	Testing a deep convolutional neural network for automated hippocampus segmentation in a longitudinal sample of healthy participants. 2019 , 197, 589-597	19
1105	Thalamocortical Hyperconnectivity and Amygdala-Cortical Hypoconnectivity in Male Patients With Autism Spectrum Disorder. 2019 , 10, 252	23
1104	Understanding the Brain Function and Emotions. 2019 ,	2
1103	Deep Learning on Brain Images in Autism: What Do Large Samples Reveal of Its Complexity?. 2019 , 389-402	3
1102	Decreased interhemispheric functional connectivity rather than corpus callosum volume as a potential biomarker for autism spectrum disorder. 2019 , 119, 258-266	20
1101	Bootstrapping Graph Convolutional Neural Networks for Autism Spectrum Disorder Classification. 2019 ,	19
1100	Harmonization of resting-state functional MRI data across multiple imaging sites via the separation of site differences into sampling bias and measurement bias. 2019 , 17, e3000042	49
1099	A Roadmap for Foundational Research on Artificial Intelligence in Medical Imaging: From the 2018 NIH/RSNA/ACR/The Academy Workshop. 2019 , 291, 781-791	148
1098	Thinning Faster? Age-Related Cortical Thickness Differences in Adults with Autism Spectrum Disorder. 2019 , 64, 31-38	5
1097	Restricted, Repetitive, and Stereotypical Patterns of Behavior in Autism-an fMRI Perspective. 2019 , 27, 1139-1148	5
1096	Incorporating prior information with fused sparse group lasso: Application to prediction of clinical measures from neuroimages. 2019 , 75, 1299-1309	8

1095	Cortical surface architecture endophenotype and correlates of clinical diagnosis of autism spectrum disorder. 2019 , 73, 409-415	7
1094	Physiological significance of R-fMRI indices: Can functional metrics differentiate structural lesions (brain tumors)?. 2019 , 22, 101741	4
1093	Brain Map of Intrinsic Functional Flexibility in Anesthetized Monkeys and Awake Humans. 2019 , 13, 174	9
1092	Benchmarking functional connectome-based predictive models for resting-state fMRI. 2019 , 192, 115-134	118
1091	Processing and Analysis of Biomedical Information. 2019 ,	
1090	Atypical functional connectome hierarchy in autism. 2019 , 10, 1022	128
1089	Bayesian QuickNAT: Model uncertainty in deep whole-brain segmentation for structure-wise quality control. 2019 , 195, 11-22	41
1088	Link-Level Functional Connectivity Neuroalterations in Autism Spectrum Disorder: A Developmental Resting-State fMRI Study. 2019 , 9,	10
1087	Investigating systematic bias in brain age estimation with application to post-traumatic stress disorders. 2019 , 40, 3143-3152	59
1086	The Functional Brain Organization of an Individual Allows Prediction of Measures of Social Abilities Transdiagnostically in Autism and Attention-Deficit/Hyperactivity Disorder. 2019 , 86, 315-326	45
1085	Resting-state abnormalities in Autism Spectrum Disorders: A meta-analysis. 2019 , 9, 3892	37
1084	Neuroimaging in Psychiatry and Neurodevelopment: why the emperor has no clothes. 2019 , 92, 20180910	4
1083	Diagnosis of Autism Spectrum Disorders in Young Children Based on Resting-State Functional Magnetic Resonance Imaging Data Using Convolutional Neural Networks. 2019 , 32, 899-918	24
1082	The influence of age and ASD on verbal fluency networks. 2019 , 63, 52-62	5
1081	Global signal regression strengthens association between resting-state functional connectivity and behavior. 2019 , 196, 126-141	141
1080	Happy and Angry Faces Elicit Atypical Neural Activation in Children With Autism Spectrum Disorder. 2019 , 4, 1021-1030	9
1079	Structural Magnetic Resonance Imaging Demonstrates Abnormal Regionally-Differential Cortical Thickness Variability in Autism: From Newborns to Adults. 2019 , 13, 75	7
1078	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. 2019 , 13, 1	42

1077	Applications of Supervised Machine Learning in Autism Spectrum Disorder Research: a Review. 2019 , 6, 128-146	69
1076	Patients with autism spectrum disorders display reproducible functional connectivity alterations. 2019 , 11,	63
1075	Automated image quality evaluation of structural brain MRI using an ensemble of deep learning networks. 2019 , 50, 1260-1267	24
1074	Investigating functional brain network integrity using a traditional and novel categorical scheme for neurodevelopmental disorders. 2019 , 21, 101678	20
1073	Identification and Validation of Requirements for a Registry System of Children's Developmental Motor Disorders in Iran. 2019 , 58, 124-130	1
1072	. 2019 ,	125
1071	A network clustering based feature selection strategy for classifying autism spectrum disorder. 2019 , 12, 153	4
1070	. 2019 ,	44
1069	Deep Forest with Cross-shaped Window Scanning Mechanism to Extract Topological Features. 2019 ,	3
1068	Tracking the Brain State Transition Process of Dynamic Function Connectivity Based on Resting State fMRI. 2019 , 2019, 9027803	4
1067	Knowing What You Know in Brain Segmentation Using Bayesian Deep Neural Networks. 2019 , 13, 67	20
1066	Data Augmentation Based on Substituting Regional MRIs Volume Scores. 2019 , 11851, 32-41	
1065	Deep Graph Similarity Learning for Brain Data Analysis. 2019 ,	9
1064	Large-Scale Annotation of Biomedical Data and Expert Label Synthesis and Hardware Aware Learning for Medical Imaging and Computer Assisted Intervention. 2019 ,	0
1063	Changes in the development of subcortical structures in autism spectrum disorder. 2019 , 30, 1062-1067	4
1062	Educational fMRI: From the Lab to the Classroom. 2019 , 10, 2769	1
1061	Functional Neuroimaging in the New Era of Big Data. 2019 , 17, 393-401	9
1060	Distinct Patterns of Atypical Functional Connectivity in Lower-Functioning Autism. 2019 , 4, 251-259	15

1059	Dissecting the Heterogeneous Cortical Anatomy of Autism Spectrum Disorder Using Normative Models. 2019 , 4, 567-578	47
1058	The Superficial White Matter in Autism and Its Role in Connectivity Anomalies and Symptom Severity. 2019 , 29, 4415-4425	19
1057	Atypical frontoamygdala functional connectivity in youth with autism. 2019 , 37, 100603	21
1056	A framework for offline evaluation and optimization of real-time algorithms for use in neurofeedback, demonstrated on an instantaneous proxy for correlations. 2019 , 188, 322-334	9
1055	Neuroanatomical deficits shared by youth with autism spectrum disorders and psychotic disorders. 2019 , 40, 1643-1653	7
1054	Shank3B mutant mice display pitch discrimination enhancements and learning deficits. 2019 , 72, 13-21	11
1053	Altered resting-state dynamics in autism spectrum disorder: Causal to the social impairment?. 2019 , 90, 28-36	5
1052	Functional Connectivity of the Anterior Cingulate Cortex in Depression and in Health. 2019 , 29, 3617-3630	40
1051	HDDA: DataSifter: statistical obfuscation of electronic health records and other sensitive datasets. 2018 , 89, 249-271	5
1050	Connectome sorting by consensus clustering increases separability in group neuroimaging studies. 2019 , 3, 325-343	4
1049	Autism Pathogenesis: The Superior Colliculus. 2018 , 12, 1029	10
1048	Enhancing the representation of functional connectivity networks by fusing multi-view information for autism spectrum disorder diagnosis. 2019 , 40, 833-854	28
1047	Partially impaired functional connectivity states between right anterior insula and default mode network in autism spectrum disorder. 2019 , 40, 1264-1275	46
1046	Insular function in autism: Update and future directions in neuroimaging and interventions. 2019 , 89, 412-426	19
1045	Functional connectivity in ASD: Atypical pathways in brain networks supporting action observation and joint attention. 2019 , 1706, 157-165	14
1044	Extreme male developmental trajectories of homotopic brain connectivity in autism. 2019 , 40, 987-1000	25
1043	Individual differences in sensory sensitivity: A synthesizing framework and evidence from normal variation and developmental conditions. 2019 , 10, 139-157	28
1042	Dynamic Tensor Clustering. 2019 , 114, 1894-1907	21

1041	Decreased Cortical Thickness in the Anterior Cingulate Cortex in Adults with Autism. 2019 , 49, 1402-1409	9
1040	Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. 2019 , 4, 50-61	33
1039	Parsing brain structural heterogeneity in males with autism spectrum disorder reveals distinct clinical subtypes. 2019 , 40, 628-637	29
1038	A selective overview of feature screening methods with applications to neuroimaging data. 2019 , 11, e1454	4
1037	Autism spectrum disorders: Unbiased functional connectomics provide new insights into a multifaceted neurodevelopmental disorder. 2019 , 1-25	
1036	Modeling regional dynamics in low-frequency fluctuation and its application to Autism spectrum disorder diagnosis. 2019 , 184, 669-686	9
1035	Specifics of medical data mining for diagnosis aid: A survey. 2019 , 118, 300-314	30
1034	Machine learning approach to identify a resting-state functional connectivity pattern serving as an endophenotype of autism spectrum disorder. 2019 , 13, 1689-1698	14
1033	Functional connectivity-based subtypes of individuals with and without autism spectrum disorder. 2019 , 3, 344-362	34
1032	Decreased structural connectivity and resting-state brain activity in the lateral occipital cortex is associated with social communication deficits in boys with autism spectrum disorder. 2019 , 190, 205-212	25
1031	Reduced Local and Increased Long-Range Functional Connectivity of the Thalamus in Autism Spectrum Disorder. 2019 , 29, 573-585	32
1030	We see the orange not the lemon: typicality effects in ultra-rapid categorization in adults with and without autism spectrum disorder. 2020 , 14, 154-164	0
1029	Abnormal Structural and Functional Connectivity of the Corpus Callosum in Autism Spectrum Disorders: a Review. 2020 , 7, 46-62	4
1028	Large-scale analyses of the relationship between sex, age and intelligence quotient heterogeneity and cortical morphometry in autism spectrum disorder. <i>Molecular Psychiatry</i> , 2020 , 25, 614-628	15.1 64
1027	Data Management, Analytics and Innovation. 2020 ,	1
1026	Estimation of connectional brain templates using selective multi-view network normalization. 2020 , 59, 101567	26
1025	Impaired motor skills and atypical functional connectivity of the sensorimotor system in 40- to 65-year-old adults with autism spectrum disorders. 2020 , 85, 104-112	8
1024	Template Independent Component Analysis: Targeted and Reliable Estimation of Subject-level Brain Networks using Big Data Population Priors. 2020 , 115, 1151-1177	12

1023	Brain networks, dimensionality, and global signal averaging in resting-state fMRI: Hierarchical network structure results in low-dimensional spatiotemporal dynamics. 2020 , 205, 116289	21
1022	Deep neural networks and kernel regression achieve comparable accuracies for functional connectivity prediction of behavior and demographics. 2020 , 206, 116276	80
1021	CRISPR/Cas9-mediated Knockout of the Neuropsychiatric Risk Gene KCTD13 Causes Developmental Deficits in Human Cortical Neurons Derived from Induced Pluripotent Stem Cells. 2020 , 57, 616-634	9
1020	Probing disrupted neurodevelopment in autism using human stem cell-derived neurons and organoids: An outlook into future diagnostics and drug development. 2020 , 249, 6-33	13
1019	A sinister subject: Quantifying handedness-based recruitment biases in current neuroimaging research. 2020 , 51, 1642-1656	13
1018	Sensory-to-Cognitive Systems Integration Is Associated With Clinical Severity in Autism Spectrum Disorder. 2020 , 59, 422-433	15
1017	RETRACTED ARTICLE: Classification of severe autism in fMRI using functional connectivity and conditional random forests. 2020 , 32, 8415-8415	1
1016	Convex formulation for regularized estimation of structural equation models. 2020 , 166, 107237	2
1015	A joint network optimization framework to predict clinical severity from resting state functional MRI data. 2020 , 206, 116314	2
1014	Identifying Autism Spectrum Disorder With Multi-Site fMRI via Low-Rank Domain Adaptation. 2020 , 39, 644-655	56
1013	Autism spectrum disorder characterization in children by capturing local-regional brain changes in MRI. 2020 , 47, 119-131	5
1012	Supervised machine learning for diagnostic classification from large-scale neuroimaging datasets. 2020 , 14, 2378-2416	24
1011	Functional Territories of Human Dentate Nucleus. 2020 , 30, 2401-2417	23
1010	Dynamic Functional Connectivity Reveals Abnormal Variability and Hyper-connected Pattern in Autism Spectrum Disorder. 2020 , 13, 230-243	16
1009	Altered inter- and intrahemispheric functional connectivity dynamics in autistic children. 2020 , 41, 419-428	22
1008	Effective connectivity in autism. 2020 , 13, 32-44	10
1007	Atypical Relationships Between Spontaneous EEG and fMRI Activity in Autism. 2020 , 10, 18-28	12
1006	Editorial: Mapping the Miswired Connectome in Autism Spectrum Disorder. 2020 , 59, 348-349	5

1005 Looking at the Big Neurochemical Picture of Autism Spectrum Disorder. **2020**, 87, e5-e6

1004 Support vector regression. **2020**, 123-140 11

1003 Autoencoders. **2020**, 193-208 15

1002 Unsupervised 3D End-to-End Medical Image Registration With Volume Tweening Network. **2020**, 24, 1394-1404 57

1001 Reconciling Dimensional and Categorical Models of Autism Heterogeneity: A Brain Connectomics and Behavioral Study. **2020**, 87, 1071-1082 32

1000 Nature abhors a paywall: How open science can realize the potential of naturalistic stimuli. **2020**, 216, 116330 10

999 Data-Driven Diagnostics and the Potential of Mobile Artificial Intelligence for Digital Therapeutic Phenotyping in Computational Psychiatry. **2020**, 5, 759-769 27

998 Automated Detection of Autism Spectrum Disorder Using a Convolutional Neural Network. **2019**, 13, 1325 44

997 Diagnosing autism spectrum disorder using brain entropy: A fast entropy method. **2020**, 190, 105240 14

996 Altered brain-wide auditory networks in a zebrafish model of fragile X syndrome. **2020**, 18, 125 25

995 Construction and analysis of brain networks from different neuroimaging techniques. **2020**, 1-22 5

994 Structural neuroimaging. **2020**, 174, 251-264

993 Mutations associated with neuropsychiatric conditions delineate functional brain connectivity dimensions contributing to autism and schizophrenia. **2020**, 11, 5272 13

992 Atypical Brain Asymmetry in Autism-A Candidate for Clinically Meaningful Stratification. **2021**, 6, 802-812 14

991 Attenuated link between the medial prefrontal cortex and the amygdala in children with autism spectrum disorder: Evidence from effective connectivity within the "social brain". **2021**, 111, 110147 5

990 Frontoparietal Network Connectivity During an -Back Task in Adults With Autism Spectrum Disorder. **2020**, 11, 551808 1

989 Dynamic time warping outperforms Pearson correlation in detecting atypical functional connectivity in autism spectrum disorders. **2020**, 223, 117383 8

988 A Survey on Deep Learning for Neuroimaging-Based Brain Disorder Analysis. **2020**, 14, 779 40

987	Diagnostic prediction of autism spectrum disorder using complex network measures in a machine learning framework. 2020 , 62, 102099	12
986	Brain mRNA Expression Associated with Cortical Volume Alterations in Autism Spectrum Disorder. 2020 , 32, 108137	5
985	Neural correlates of polygenic risk score for autism spectrum disorders in general population. 2020 , 2, fcaa092	5
984	Deep-Learning-Based Optimization of the Under-Sampling Pattern in MRI. 2020 , 6, 1139-1152	24
983	Identifying Autism Spectrum Disorder From Resting-State fMRI Using Deep Belief Network. 2021 , 32, 2847-2861	16
982	Fine-grain atlases of functional modes for fMRI analysis. 2020 , 221, 117126	19
981	Dealing with confounders and outliers in classification medical studies: The Autism Spectrum Disorders case study. 2020 , 108, 101926	7
980	Improved ASD classification using dynamic functional connectivity and multi-task feature selection. 2020 , 138, 82-87	14
979	Multi-site fMRI analysis using privacy-preserving federated learning and domain adaptation: ABIDE results. 2020 , 65, 101765	67
978	Common and unique multimodal covarying patterns in autism spectrum disorder subtypes. 2020 , 11, 90	7
977	Implementation of circular Hough transform on MRI images for eye globe volume estimation. 2020 , 33, 123	2
976	Development of an AI-Based Web Diagnostic System for Phenotyping Psychiatric Disorders. 2020 , 11, 542394	5
975	Cyberspace Data and Intelligence, and Cyber-Living, Syndrome, and Health. 2020 ,	0
974	Semi-Supervised Multimodality Learning With Graph Convolutional Neural Networks For Disease Diagnosis. 2020 ,	1
973	Beyond diagnosis: Cross-diagnostic features in canonical resting-state networks in children with neurodevelopmental disorders. 2020 , 28, 102476	5
972	The Importance of Anti-correlations in Graph Theory Based Classification of Autism Spectrum Disorder. 2020 , 14, 676	12
971	A preliminary study of atypical cortical change ability of dynamic whole-brain functional connectivity in autism spectrum disorder. 2020 , 1-13	1
970	Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps. 2020 , 15, e0236418	16

969	Sex-related patterns of intrinsic functional connectivity in children and adolescents with autism spectrum disorders. 2020 , 24, 2190-2201	8
968	The National Autism Database of Israel: a Resource for Studying Autism Risk Factors, Biomarkers, Outcome Measures, and Treatment Efficacy. 2020 , 70, 1303-1312	6
967	Resting-state abnormalities of posterior cingulate in autism spectrum disorder. 2020 , 173, 139-159	0
966	Neural network applications in medicine. 2020 , 183-206	1
965	Diagnostic classification of autism using resting-state fMRI data improves with full correlation functional brain connectivity compared to partial correlation. 2020 , 345, 108884	8
964	Big data approaches to develop a comprehensive and accurate tool aimed at improving autism spectrum disorder diagnosis and subtype stratification. 2020 , 38, 819-833	0
963	Learning A Common Granger Causality Network Using A Non-Convex Regularization. 2020 ,	1
962	A Review of Default Mode Network Connectivity and Its Association With Social Cognition in Adolescents With Autism Spectrum Disorder and Early-Onset Psychosis. 2020 , 11, 614	14
961	Effects of spatial smoothing on group-level differences in functional brain networks. 2020 , 4, 556-574	3
960	DeepFLASH: An Efficient Network for Learning-Based Medical Image Registration. 2020 ,	15
959	Coactivation pattern analysis reveals altered salience network dynamics in children with autism spectrum disorder. 2020 , 4, 1219-1234	9
958	Bioinformatics Research and Applications. 2020 ,	
957	The Generalized Adaptation Account of Autism. 2020 , 14, 534218	2
956	Deep Variational Autoencoder for Mapping Functional Brain Networks. 2020 , 1-1	1
955	Variance and Scale-Free Properties of Resting-State Blood Oxygenation Level-Dependent Signal After Fear Memory Acquisition and Extinction. 2020 , 14, 509075	1
954	Uniform Pooling for Graph Networks. 2020 , 10, 6287	1
953	Multi-Task Learning for Efficient Diagnosis of ASD and ADHD using Resting-State fMRI Data. 2020 ,	1
952	A Two Consequent Multi-layers Deep Discriminative Approach for Classifying fMRI Images. 2020 , 29, 2030001	

951	Control or Autism - Classification using Convolutional Neural Networks on Functional MRI. 2020 ,	2
950	Patterns of autism symptoms: hidden structure in the ADOS and ADI-R instruments. 2020 , 10, 257	10
949	Recent advances of deep learning in psychiatric disorders. 2020 , 3, 202-213	2
948	Domain Adaptation and Representation Transfer, and Distributed and Collaborative Learning. 2020	2
947	Synaesthesia and autism: Different developmental outcomes from overlapping mechanisms?. 2020 , 37, 433-449	5
946	A multi-task, multi-stage deep transfer learning model for early prediction of neurodevelopment in very preterm infants. 2020 , 10, 15072	8
945	Adjusting for allometric scaling in ABIDE I challenges subcortical volume differences in autism spectrum disorder. 2020 , 41, 4610-4629	5
944	A normative modelling approach reveals age-atypical cortical thickness in a subgroup of males with autism spectrum disorder. 2020 , 3, 486	18
943	. 2020 , 8, 153341-153352	12
942	Diffusion kurtosis imaging of gray matter in young adults with autism spectrum disorder. 2020 , 10, 21465	2
941	Asymmetric influence measure for high dimensional regression. 2020 , 1-27	1
940	Analysis of the Over-Connectivity in Autistic Brains Using the Maximum Spanning Tree: Application on the Multi-Site and Heterogeneous ABIDE Dataset. 2020 ,	1
939	An fMRI Feature Selection Method Based on a Minimum Spanning Tree for Identifying Patients with Autism. 2020 , 12, 1995	3
938	Rapid Precision Functional Mapping of Individuals Using Multi-Echo fMRI. 2020 , 33, 108540	32
937	Examining the relationship between measures of autistic traits and neural synchrony during movies in children with and without autism. 2020 , 28, 102477	5
936	A Hybrid Deep Contractive Autoencoder and Restricted Boltzmann Machine Approach to Differentiate Representation of Female Brain Disorder. 2020 , 176, 1033-1042	2
935	Alpha connectivity and inhibitory control in adults with autism spectrum disorder. 2020 , 11, 95	6
934	Gray matter covariations and core symptoms of autism: the EU-AIMS Longitudinal European Autism Project. 2020 , 11, 86	7

933	Hi-GCN: A hierarchical graph convolution network for graph embedding learning of brain network and brain disorders prediction. 2020 , 127, 104096	21
932	Population Graph-Based Multi-Model Ensemble Method for Diagnosing Autism Spectrum Disorder. 2020 , 20,	9
931	Alterations in Local Connectivity and Their Developmental Trajectories in Autism Spectrum Disorder: Does Being Female Matter?. 2020 , 30, 5166-5179	12
930	The relevance of transdiagnostic shared networks to the severity of symptoms and cognitive deficits in schizophrenia: a multimodal brain imaging fusion study. 2020 , 10, 149	7
929	Towards a brain-based predictome of mental illness. 2020 , 41, 3468-3535	36
928	EEG-IP: an international infant EEG data integration platform for the study of risk and resilience in autism and related conditions. 2020 , 26, 40	7
927	Structure-Function Connectomics Reveals Aberrant Developmental Trajectory Occurring at Preadolescence in the Autistic Brain. 2020 , 30, 5028-5037	8
926	Hypofunctional connectivity between the posterior cingulate cortex and ventromedial prefrontal cortex in autism: Evidence from coordinate-based imaging meta-analysis. 2020 , 103, 109986	7
925	Diagnosis of Autism Spectrum Disorder Using Central-Moment Features From Low- and High-Order Dynamic Resting-State Functional Connectivity Networks. 2020 , 14, 258	15
924	Process genes list: An approach to link genetics and human brain imaging. 2020 , 339, 108695	2
923	BAENET: A Brain Age Estimation Network with 3D Skipping and Outlier Constraint Loss. 2020 ,	2
922	Classifying Autism Spectrum Disorder Using the Temporal Statistics of Resting-State Functional MRI Data With 3D Convolutional Neural Networks. 2020 , 11, 440	27
921	Deriving resting-state fMRI biomarkers for classification of autism spectrum disorder. 2020 , 101-123	1
920	Altered Connectivity During a False-Belief Task in Adults With Autism Spectrum Disorder. 2020 , 5, 901-912	1
919	Architectural configurations, atlas granularity and functional connectivity with diagnostic value in Autism Spectrum Disorder. 2020 , 2020, 1022-1025	0
918	Transdiagnostic subtyping of males with developmental disorders using cortical characteristics. 2020 , 27, 102288	3
917	Artificial Intelligence and Machine Learning for Digital Pathology. 2020 ,	5
916	Machine learning methods for brain network classification: Application to autism diagnosis using cortical morphological networks. 2020 , 343, 108799	13

915	Graph Fourier transform of fMRI temporal signals based on an averaged structural connectome for the classification of neuroimaging. 2020 , 106, 101870	8
914	Reduced task-dependent modulation of functional network architecture for positive versus negative affective touch processing in autism spectrum disorders. 2020 , 219, 117009	11
913	Coupling Principled Refinement with Bi-Directional Deep Estimation for Robust Deformable 3D Medical Image Registration. 2020 ,	2
912	Feature screening under missing indicator imputation with non-ignorable missing response. 2020 , 149, 106975	
911	Age-Dependent Statistical Changes of Involuntary Head Motion Signatures Across Autism and Controls of the ABIDE Repository. 2020 , 14, 23	4
910	Convolutional Neural Network With Graphical Lasso to Extract Sparse Topological Features for Brain Disease Classification. 2021 , 18, 2327-2338	0
909	Interpretable Learning Approaches in Resting-State Functional Connectivity Analysis: The Case of Autism Spectrum Disorder. 2020 , 2020, 1394830	5
908	Evidence against the "normalization" prediction of the early brain overgrowth hypothesis of autism. 2020 , 11, 51	7
907	Towards a Multivariate Biomarker-Based Diagnosis of Autism Spectrum Disorder: Review and Discussion of Recent Advancements. 2020 , 34, 100803	5
906	A Comprehensive Framework for Differentiating Autism Spectrum Disorder From Neurotypicals by Fusing Structural MRI and Resting State Functional MRI. 2020 , 34, 100805	9
905	Alterations of functional connectivities associated with autism spectrum disorder symptom severity: a multi-site study using multivariate pattern analysis. 2020 , 10, 4330	4
904	A toolbox for brain network construction and classification (BrainNetClass). 2020 , 41, 2808-2826	18
903	Anomalous Perception of Biological Motion in Autism: A Conceptual Review and Meta-Analysis. 2020 , 10, 4576	14
902	Behavioural profiling of autism connectivity abnormalities. 2020 , 6, e11	1
901	Image acquisition and quality assurance in the Boston Adolescent Neuroimaging of Depression and Anxiety study. 2020 , 26, 102242	9
900	An Interoception-Based Intervention for Children with Autism Spectrum Disorder: A Pilot Study. 2020 , 13, 339-352	5
899	CGMVQA: A New Classification and Generative Model for Medical Visual Question Answering. 2020 , 8, 50626-50636	15
898	Bagging improves reproducibility of functional parcellation of the human brain. 2020 , 214, 116678	20

897	Extensive Evaluation of Morphological Statistical Harmonization for Brain Age Prediction. 2020 , 10,	6
896	Deep Multimodal Learning for the Diagnosis of Autism Spectrum Disorder. 2020 , 6,	8
895	Abnormal Brain Regions in Two-Group Cross-Location Dynamics Model of Autism. 2020 , 8, 94526-94534	4
894	Data sharing and privacy issues in neuroimaging research: Opportunities, obstacles, challenges, and monsters under the bed. 2020 ,	27
893	An executive functioning perspective in neurofibromatosis type 1: from ADHD and autism spectrum disorder to research domains. 2020 , 36, 2321-2332	0
892	A heuristic information cluster search approach for precise functional brain mapping. 2020 , 41, 2263-2280	1
891	Optimising network modelling methods for fMRI. 2020 , 211, 116604	73
890	Preparing Medical Imaging Data for Machine Learning. 2020 , 295, 4-15	175
889	Social brain activation during mentalizing in a large autism cohort: the Longitudinal European Autism Project. 2020 , 11, 17	18
888	Animal Functional Magnetic Resonance Imaging: Trends and Path Toward Standardization. 2019 , 13, 78	31
887	Metrics for graph comparison: A practitioner's guide. 2020 , 15, e0228728	25
886	Autism spectrum disorder. 2020 , 6, 5	259
885	Improving the detection of autism spectrum disorder by combining structural and functional MRI information. 2020 , 25, 102181	23
884	Developmental divergence of structural brain networks as an indicator of future cognitive impairments in childhood brain injury: Executive functions. 2020 , 42, 100762	2
883	Measuring the effects of confounders in medical supervised classification problems: the Confounding Index (CI). 2020 , 103, 101804	3
882	Characterizing intrinsic functional connectivity in relation to impaired self-regulation in intellectually able male youth with autism spectrum disorder. 2020 , 24, 1201-1216	3
881	Hidden Aspects of the Research ADOS Are Bound to Affect Autism Science. 2020 , 32, 515-561	5
880	Epigenetic modification of the oxytocin receptor gene: implications for autism symptom severity and brain functional connectivity. 2020 , 45, 1150-1158	26

879	Nonreplication of functional connectivity differences in autism spectrum disorder across multiple sites and denoising strategies. 2020 , 41, 1334-1350	31
878	Ambivert degree identifies crucial brain functional hubs and improves detection of Alzheimer's Disease and Autism Spectrum Disorder. 2020 , 25, 102186	6
877	Autism Spectrum Disorder Symptoms are Associated with Connectivity Between Large-Scale Neural Networks and Brain Regions Involved in Social Processing. 2020 , 50, 2765-2778	3
876	Bridging global and local topology in whole-brain networks using the network statistic jackknife. 2020 , 4, 70-88	3
875	Sex Differences in Functional Connectivity of the Salience, Default Mode, and Central Executive Networks in Youth with ASD. 2020 , 30, 5107-5120	20
874	Word up - Experiential and neurocognitive evidence for associations between autistic symptomatology and a preference for thinking in the form of words. 2020 , 128, 88-106	3
873	Beyond the disconnectivity hypothesis of schizophrenia. 2020 , 30, 1213-1233	13
872	Analysing brain networks in population neuroscience: a case for the Bayesian philosophy. 2020 , 375, 20190661	13
871	Machine Learning and Virtual Reality on Body Movements' Behaviors to Classify Children with Autism Spectrum Disorder. 2020 , 9,	12
870	Current methods and new directions in resting state fMRI. 2020 , 65, 47-53	17
869	Early childhood developmental functional connectivity of autistic brains with non-negative matrix factorization. 2020 , 26, 102251	5
868	Application of Supervised Machine Learning for Behavioral Biomarkers of Autism Spectrum Disorder Based on Electrodermal Activity and Virtual Reality. 2020 , 14, 90	14
867	Toward Neurosubtypes in Autism. 2020 , 88, 111-128	36
866	From a deep learning model back to the brain-Identifying regional predictors and their relation to aging. 2020 , 41, 3235-3252	20
865	Abnormal development pattern of the amygdala and hippocampus from childhood to adulthood with autism. 2020 , 78, 327-332	15
864	Ensemble Deep Learning on Large, Mixed-Site fMRI Datasets in Autism and Other Tasks. 2020 , 30, 2050012	27
863	Duplication Causes Aberrant GABA Pathways, Circuits and Behaviors in Transgenic Monkeys: Neural Mappings to Patients with Autism. 2020 , 40, 3799-3814	12
862	Reducing Inter-Site Variability for Fluctuation Amplitude Metrics in Multisite Resting State BOLD-fMRI Data. 2021 , 19, 23-38	0

861	The open EEGLAB portal Interface: High-Performance computing with EEGLAB. 2021 , 224, 116778	14
860	Underconnectivity Between Visual and Salience Networks and Links With Sensory Abnormalities in Autism Spectrum Disorders. 2021 , 60, 274-285	3
859	Thalamic and prefrontal GABA concentrations but not GABA receptor densities are altered in high-functioning adults with autism spectrum disorder. <i>Molecular Psychiatry</i> , 2021 , 26, 1634-1646	15.1 17
858	Altered Time-Frequency Feature in Default Mode Network of Autism Based on Improved Hilbert-Huang Transform. 2021 , 25, 485-492	5
857	Diagnostic Classification for Human Autism and Obsessive-Compulsive Disorder Based on Machine Learning From a Primate Genetic Model. 2021 , 178, 65-76	9
856	A novel pipeline leveraging surface-based features of small subcortical structures to classify individuals with autism spectrum disorder. 2021 , 104, 109989	8
855	Graph convolutional network for fMRI analysis based on connectivity neighborhood. 2021 , 5, 83-95	6
854	Artificial intelligence as applied to clinical neurological conditions. 2021 , 395-413	
853	Performance of machine learning classification models of autism using resting-state fMRI is contingent on sample heterogeneity. 2021 , 33, 3299-3310	7
852	Changes in the topological organization of the default mode network in autism spectrum disorder. 2021 , 15, 1058-1067	8
851	Convolutional kernels with an element-wise weighting mechanism for identifying abnormal brain connectivity patterns. 2021 , 109, 107570	4
850	Challenges and opportunities for neuroimaging in young patients with traumatic brain injury: a coordinated effort towards advancing discovery from the ENIGMA pediatric moderate/severe TBI group. 2021 , 15, 555-575	4
849	Deep Generative Model of Individual Variability in fMRI Images of Psychiatric Patients. 2021 , 68, 592-605	1
848	Associations Between Resting-State Functional Connectivity and a Hierarchical Dimensional Structure of Psychopathology in Middle Childhood. 2021 , 6, 508-517	7
847	Individual Differences in Intrinsic Brain Networks Predict Symptom Severity in Autism Spectrum Disorders. 2021 , 31, 681-693	2
846	Diagnosis of Autism Spectrum Disorder Based on Functional Brain Networks with Deep Learning. 2021 , 28, 146-165	13
845	Detect and correct bias in multi-site neuroimaging datasets. 2021 , 67, 101879	17
844	Increased wiring cost during development is driven by long-range cortical, but not subcortical connections. 2021 , 225, 117463	3

843	Parcellation of the thalamus by using a dual-segment method based on resting-state functional connectivity: An application on autism spectrum disorder. 2021 , 742, 135518	0
842	Identifying brain areas correlated with ADOS raw scores by studying altered dynamic functional connectivity patterns. 2021 , 68, 101899	4
841	Test-time adaptable neural networks for robust medical image segmentation. 2021 , 68, 101907	25
840	Neurocognitive Dysfunction and Smaller Brain Volumes in Adolescents and Adults With a Fontan Circulation. 2021 , 143, 878-891	6
839	Deep multi-kernel auto-encoder network for clustering brain functional connectivity data. 2021 , 135, 148-157	7
838	A hitchhiker's guide to working with large, open-source neuroimaging datasets. 2021 , 5, 185-193	13
837	Difference in default mode network subsystems in autism across childhood and adolescence. 2021 , 25, 556-565	4
836	A collaborative resource platform for non-human primate neuroimaging. 2021 , 226, 117519	14
835	Les trois cultures de la psychiatrie computationnelle. 2021 , 179, 63-71	2
834	Explainable AI in Healthcare and Medicine. 2021 ,	1
833	Systematic Review: Medication Effects on Brain Intrinsic Functional Connectivity in Patients With Attention-Deficit/Hyperactivity Disorder. 2021 , 60, 222-235	9
832	Predicting brain age with complex networks: From adolescence to adulthood. 2021 , 225, 117458	12
831	NOMIS: Quantifying morphometric deviation from normality over the lifetime in the adult human brain.	0
830	Functional Connectivity-Based Prediction of Autism on Site Harmonized ABIDE Dataset. 2021 , 68, 3628-3637	8
829	Association between resting-state functional brain connectivity and gene expression is altered in autism spectrum disorder.	1
828	Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses. 2021 , 10,	7
827	Brain Age Prediction With Morphological Features Using Deep Neural Networks: Results From Predictive Analytic Competition 2019. 2020 , 11, 619629	5
826	A review of deep learning-based three-dimensional medical image registration methods. 2021 , 11, 4895-4916	5

825	Machine learning methods for autism spectrum disorder classification. 2021 , 151-163	
824	Diagnosis of autism spectrum disorder by causal influence strength learned from resting-state fMRI data. 2021 , 237-267	1
823	Sensory over-responsivity is related to GABAergic inhibition in thalamocortical circuits. 2021 , 11, 39	6
822	Neuroscience of Autism in the Legal Context. 2021 , 71-96	
821	Multisite Autism Spectrum Disorder Classification Using Convolutional Neural Network Classifier and Individual Morphological Brain Networks. 2020 , 14, 629630	7
820	WISDoM: Characterizing Neurological Time Series With the Wishart Distribution. 2020 , 14, 611762	
819	Atypical core-periphery brain dynamics in autism. 2021 , 5, 295-321	1
818	Changes in Electroencephalogram Coherence in Adolescents With Autism Spectrum Disorder After a Social Skills Intervention. 2021 , 14, 787-803	4
817	Topological impact of negative links on the stability of resting-state brain network. 2021 , 11, 2176	6
816	Encyclopedia of Autism Spectrum Disorders. 2021 , 2523-2524	
815	Impact of Machine Learning Pipeline Choices in Autism Prediction From Functional Connectivity Data. 2021 , 31, 2150009	8
814	From complex to neural networks. 2021 , 137-154	
813	GKD: Semi-supervised Graph Knowledge Distillation for Graph-Independent Inference. 2021 , 709-718	0
812	Learning Deformable Image Registration from Optimization: Perspective, Modules, Bilevel Training and Beyond. 2021 , PP,	4
811	Investigating and Quantifying the Reproducibility of Graph Neural Networks in Predictive Medicine. 2021 , 104-116	
810	3D-StyleGAN: A Style-Based Generative Adversarial Network for Generative Modeling of Three-Dimensional Medical Images. 2021 , 24-34	5
809	Functional Connectivity in Autism Spectrum Disorders: Challenges and Perspectives. 2021 , 239-272	
808	Responsive Social Smile: A Machine Learning based Multimodal Behavior Assessment Framework towards Early Stage Autism Screening. 2021 ,	0

807	Image Augmentation Using a Task Guided Generative Adversarial Network for Age Estimation on Brain MRI. 2021 , 350-360	0
806	Altered patterns of brain dynamics linked with body mass index in youth with autism. 2021 , 14, 873-886	1
805	Accommodating site variation in neuroimaging data using normative and hierarchical Bayesian models.	5
804	Rest-fMRI Based Comparison Study between Autism Spectrum Disorder and Typically Control Using Graph Frequency Bands.	
803	Thalamocortical connectivity is associated with autism symptoms in high-functioning adults with autism and typically developing adults. 2021 , 11, 93	4
802	Improving the replicability of neuroimaging findings by thresholding effect sizes instead of p-values. 2021 , 42, 2393-2398	2
801	Quantity and quality: Normative open-access neuroimaging databases. 2021 , 16, e0248341	0
800	An assessment of the autism neuroimaging literature for the prospects of re-executability. 2020 , 9, 1031	
799	Towards robust and replicable sex differences in the intrinsic brain function of autism. 2021 , 12, 19	9
798	What the Journal of the American Academy of Child and Adolescent Psychiatry Is Looking for in Neuroimaging Submissions. 2021 , 60, 324-328	0
797	Alterations in Tau Protein Level and Phosphorylation State in the Brain of the Autistic-Like Rats Induced by Prenatal Exposure to Valproic Acid. 2021 , 22,	4
796	Dissecting autism and schizophrenia through neuroimaging genomics. 2021 , 144, 1943-1957	5
795	TAPAS: an open-source software package for Translational Neuromodeling and Computational Psychiatry.	1
794	Deep graph similarity learning: a survey. 2021 , 35, 688-725	5
793	Sex differentiation of brain structures in autism: Findings from a gray matter asymmetry study. 2021 , 14, 1115-1126	1
792	A review of resting-state fMRI and its use to examine psychiatric disorders. 2021 , 1, 42-53	10
791	Reduced Inter-hemispheric Resting State Functional Connectivity and Its Association With Social Deficits in Autism. 2021 , 12, 629870	7
790	Distinct profiles of spatio-temporal brain dynamics along symptoms dimensions in autism.	

789	Estimation of in-scanner head pose changes during structural MRI using a convolutional neural network trained on eye tracker video.	1
788	A Novel Unit-Based Personalized Fingerprint Feature Selection Strategy for Dynamic Functional Connectivity Networks. 2021 , 15, 651574	1
787	Examining the Boundary Sharpness Coefficient as an Index of Cortical Microstructure in Autism Spectrum Disorder. 2021 , 31, 3338-3352	2
786	Deep learning-based unlearning of dataset bias for MRI harmonisation and confound removal. 2021 , 228, 117689	18
785	Node Centrality Measures Identify Relevant Structural MRI Features of Subjects with Autism. 2021 , 11,	2
784	A survey on incorporating domain knowledge into deep learning for medical image analysis. 2021 , 69, 101985	37
783	Linked Social-Communication Dimensions and Connectivity in Functional Brain Networks in Autism Spectrum Disorder. 2021 , 31, 3899-3910	3
782	Decreased homotopic interhemispheric functional connectivity in children with autism spectrum disorder. 2021 , 14, 1609-1620	1
781	Retrospective motion artifact correction of structural MRI images using deep learning improves the quality of cortical surface reconstructions. 2021 , 230, 117756	9
780	Machine Learning Framework For Fully Automatic Quality Checking Of Rigid And Affine Registrations In Big Data Brain MRI. 2021 ,	0
779	Path and Directionality Discovery in Individual Dynamic Models: A Regularized Unified Structural Equation Modeling Approach for Hybrid Vector Autoregression. 2021 , 86, 404-441	2
778	Transfer Learning in Magnetic Resonance Brain Imaging: A Systematic Review. 2021 , 7,	16
777	Functional Networks Abnormalities in Autism Spectrum Disorder: Age-Related Hypo and Hyper Connectivity. 2021 , 34, 306-322	6
776	A Deep Learning Approach to Predict Autism Spectrum Disorder Using Multisite Resting-State fMRI. 2021 , 11, 3636	8
775	The Backbone Network of Dynamic Functional Connectivity.	
774	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. 2021 , 12, 2225	12
773	Involvement of the habenula in the pathophysiology of autism spectrum disorder.	1
772	Deep Learning Methods for Autism Spectrum Disorder Diagnosis Based on fMRI Images. 2021 , 4, 142-155	1

771	The Feasibility of Magnetic Resonance Imaging in a Non-Selective Comprehensive Clinical Trial in Pediatric Autism Spectrum Disorder. 2021 , 1	1
770	Identify abnormal functional connectivity of resting state networks in Autism spectrum disorder and apply to machine learning-based classification. 2021 , 1757, 147299	6
769	ASD-SAENet: A Sparse Autoencoder, and Deep-Neural Network Model for Detecting Autism Spectrum Disorder (ASD) Using fMRI Data. 2021 , 15, 654315	11
768	Image Quality Assessment of Fetal Brain MRI Using Multi-Instance Deep Learning Methods. 2021 , 54, 818-829	8
767	Combining anatomical and functional networks for neuropathology identification: A case study on autism spectrum disorder. 2021 , 69, 101986	4
766	A Metamodel Structure For Regression Analysis: Application To Prediction Of Autism Spectrum Disorder Severity. 2021 ,	0
765	Unsupervised deformable image registration network for 3D medical images. 1	1
764	BigBrainWarp: Toolbox for integration of BigBrain 3D histology with multimodal neuroimaging.	2
763	FDRN: A fast deformable registration network for medical images. 2021 , 48, 6453-6463	1
762	A Comment on some Methodological Issues in EEG Connectivity Studies of Sensory Features in Youth with Autism. 1	
761	Outlier detection in multimodal MRI identifies rare individual phenotypes among 20,000 brains.	
760	Scan Once, Analyse Many: Using Large Open-Access Neuroimaging Datasets to Understand the Brain. 2021 , 1	6
759	Association between spectral electroencephalography power and autism risk and diagnosis in early development. 2021 , 14, 1390-1403	3
758	Testing the extreme male brain hypothesis: Is autism spectrum disorder associated with a more male-typical brain?. 2021 , 14, 1597-1608	2
757	Research Consortia and Large-Scale Data Repositories for Studying Intelligence. 2021 , 70-82	
756	Neural Biomarkers Distinguish Severe From Mild Autism Spectrum Disorder Among High-Functioning Individuals. 2021 , 15, 657857	1
755	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. 2021 , 4, 574	4
754	Delayed brain development of Rolandic epilepsy profiled by deep learning-based neuroanatomic imaging. 2021 , 31, 9628-9637	2

753	Deep convolutional neural networks for classifying breast cancer using infrared thermography. 1-12	4
752	Explainable Deep Learning for Personalized Age Prediction With Brain Morphology. 2021 , 15, 674055	10
751	Fundamental Issues. 2021 , 1-82	
750	Atlas of functional connectivity relationships across rare and common genetic variants, traits, and psychiatric conditions.	1
749	Deep neural networks allow expert-level brain meningioma detection, segmentation and improvement of current clinical practice.	
748	Preventing Failures by Dataset Shift Detection in Safety-Critical Graph Applications. 2021 , 4, 589632	
747	Classification of ASD based on fMRI data with deep learning. 2021 , 15, 961-974	2
746	Abnormal hemispheric asymmetry of both brain function and structure in attention deficit/hyperactivity disorder: a meta-analysis of individual participant data. 2021 , 1	2
745	Neuropsychiatric disease classification using functional connectomics - results of the connectomics in neuroimaging transfer learning challenge. 2021 , 70, 101972	7
744	The Cost of Untracked Diversity in Brain-Imaging Prediction.	0
743	Subtyping Autism Spectrum Disorder Via Joint Modeling of Clinical and Connectomic Profiles. 2021 ,	1
742	Scalable Estimator for Multi-task Gaussian Graphical Models Based in an IoT Network. 2021 , 17, 1-33	0
741	Neurobiological substrates underlying corpus callosum hypoconnectivity and brain metabolic patterns in the valproic acid rat model of autism spectrum disorder. 2021 , 159, 128-144	0
740	A 3D medical image registration method based on multi-scale feature fusion. 2021 , 1948, 012057	0
739	Large-Scale Brain Functional Network Integration for Discrimination of Autism Using a 3-D Deep Learning Model. 2021 , 15, 687288	5
738	A Preliminary Study of Abnormal Centrality of Cortical Regions and Subsystems in Whole Brain Functional Connectivity of Autism Spectrum Disorder Boys. 2022 , 53, 3-11	0
737	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. 2021 , 12, 680811	13
736	Brain charts for the human lifespan.	8

735	Corpus callosum size and homotopic connectivity in Autism spectrum disorder. 2021 , 313, 111301	1
734	Informative Biomarkers for Autism Spectrum Disorder Diagnosis in Functional Magnetic Resonance Imaging Data on the Default Mode Network. 2021 , 11, 6216	2
733	Cognitive Wearable Robotics for Autism Perception Enhancement. 2021 , 21, 1-16	5
732	Modeling dynamic characteristics of brain functional connectivity networks using resting-state functional MRI. 2021 , 71, 102063	2
731	Another step toward understanding brain functional connectivity alterations in autism: An Editorial Highlight for "Neurobiological substrates underlying corpus callosum hypoconnectivity and brain metabolic patterns in the valproic acid rat model of autism spectrum disorder" on page 128. 2021 , 159, 12-14	0
730	MAGE: Automatic diagnosis of autism spectrum disorders using multi-atlas graph convolutional networks and ensemble learning. 2021 ,	4
729	Mapping brain-behavior space relationships along the psychosis spectrum. 2021 , 10,	2
728	Machine Learning Evidence for Sex Differences Consistently Influences Resting-State Functional Magnetic Resonance Imaging Fluctuations Across Multiple Independently Acquired Data Sets. 2021 ,	1
727	Localized Motion Artifact Reduction on Brain MRI Using Deep Learning with Effective Data Augmentation Techniques. 2021 ,	2
726	MGN-Net: A multi-view graph normalizer for integrating heterogeneous biological network populations. 2021 , 71, 102059	1
725	Identification of de novo mutations in the Chinese ASD cohort via whole-exome sequencing unveils brain regions implicated in autism.	1
724	Investigating developmental changes in scalp-to-cortex correspondence using diffuse optical tomography sensitivity in infancy. 2021 , 8, 035003	3
723	Sparse data augmentation based on encoderforest for brain network classification. 1	
722	GAT-LI: a graph attention network based learning and interpreting method for functional brain network classification. 2021 , 22, 379	1
721	Constructing high-order functional connectivity network based on central moment features for diagnosis of autism spectrum disorder. 2021 , 9, e11692	0
720	Cognitive correlates of autism spectrum disorder symptoms. 2021 , 14, 2405-2411	3
719	A comparison of machine learning classifiers for pediatric epilepsy using resting-state functional MRI latency data. 2021 , 15, 77	0
718	Sex Differences in Functional Connectivity Between Resting State Brain Networks in Autism Spectrum Disorder. 2021 , 1	0

717	Brain structural differences in temporal lobe and frontal lobe epilepsy patients: A voxel-based morphometry and vertex-based surface analysis. 2021 , 19714009211034839		1
716	Graph-Based Deep Learning for Medical Diagnosis and Analysis: Past, Present and Future. 2021 , 21,		10
715	Autism Spectrum Disorder Detection using Surface Morphometric Feature of sMRI in Machine Learning. 2021 ,		1
714	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. 2021 , 72, 102091		6
713	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. 2021 , 10,		5
712	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes. <i>Molecular Psychiatry</i> , 2021 ,	15.1	13
711	Tetrahedral spectral feature-Based bayesian manifold learning for grey matter morphometry: Findings from the Alzheimer's disease neuroimaging initiative. 2021 , 72, 102123		0
710	U-RSNet: An unsupervised probabilistic model for joint registration and segmentation. 2021 , 450, 264-274		1
709	Atypical Integration of Sensory-to-Transmodal Functional Systems Mediates Symptom Severity in Autism. 2021 , 12, 699813		1
708	Atypical Facial Emotion Recognition in Children with Autism Spectrum Disorders: Exploratory Analysis on the Role of Task Demands. 2021 , 50, 819-833		0
707	The role of visual experience in brain inter-individual variability.		0
706	BIDSonym: a BIDS App for the pseudo-anonymization of neuroimaging datasets. 2021 , 6, 3169		0
705	A Novel Two-stage Prediction Model to Classify Functional Connectivity for Brain Disease Diagnosis. 2021 ,		
704	Atypicalities in the developmental trajectory of cortico-striatal functional connectivity in autism spectrum disorder. 2021 , 13623613211041904		5
703	Autism and engagement with material culture. 1-22		1
702	Multi-atlas classification of autism spectrum disorder with hinge loss trained deep architectures: ABIDE I results. 2021 , 107, 107375		5
701	Atypical Intrinsic Hemispheric Interaction Associated with Autism Spectrum Disorder Is Present within the First Year of Life. 2021 ,		0
700	Deep Learning on Graphs: An Introduction. 2021 , 1-14		

699	Foundations of Deep Learning. 2021 , 43-72	0
698	Bibliography. 2021 , 289-314	
697	Advanced Topics in Graph Neural Networks. 2021 , 267-280	
696	Connectivity alterations in autism reflect functional idiosyncrasy. 2021 , 4, 1078	3
695	Estimation of in-scanner head pose changes during structural MRI using a convolutional neural network trained on eye tracker video. 2021 , 81, 101-108	0
694	Automatic quality control of brain T1-weighted magnetic resonance images for a clinical data warehouse. 2021 , 75, 102219	1
693	Using DeepGCN to identify the autism spectrum disorder from multi-site resting-state data. 2021 , 70, 103015	5
692	Scalable Graph Neural Networks. 2021 , 162-175	
691	Advanced Applications in Graph Neural Networks. 2021 , 281-288	
690	Graph Embedding. 2021 , 75-106	
689	Pitfalls and recommended strategies and metrics for suppressing motion artifacts in functional MRI.	
688	A novel CNN framework to extract multi-level modular features for the classification of brain networks. 1	0
687	Beyond GNNs: More Deep Models on Graphs. 2021 , 188-204	
686	Graph Neural Networks. 2021 , 107-137	
685	Autism Spectrum Disorder Studies Using fMRI Data and Machine Learning: A Review. 2021 , 15, 697870	2
684	Analysis of Brain Functional Connectivity Neural Circuits in Children With Autism Based on Persistent Homology. 2021 , 15, 745671	1
683	Index. 2021 , 315-320	
682	Methods. 2021 , 73-74	

681 Graph Neural Networks for Complex Graphs. **2021**, 176-187

680 Brain imaging-based machine learning in autism spectrum disorder: methods and applications. **2021**, 361, 109271

6

679 Blood Oxygen Level-Dependent Lag Patterns Differ Between Rest and Task Conditions, but Are Largely Typical in Autism. **2021**,

678 Applications. **2021**, 205-206

677 Graph Neural Networks in Natural Language Processing. **2021**, 207-221

676 Preface. **2021**, xiii-xvi

675 Robust Graph Neural Networks. **2021**, 138-161

674 Advances. **2021**, 265-266

673 Predicting brain age during typical and atypical development based on structural and functional neuroimaging. **2021**, 42, 5943-5955

2

672 The backbone network of dynamic functional connectivity.. **2021**, 5, 851-873

671 Relationship between local gyrification index and age, intelligence quotient, symptom severity with Autism Spectrum Disorder: A large-scale MRI study. **2021**, 91, 193-199

0

670 Graph-In-Graph Convolutional Networks For Brain Disease Diagnosis. **2021**,

0

669 Deep Learning on Graphs. **2021**,

2

668 Foundations of Graphs. **2021**, 17-42

667 Graph Neural Networks in Data Mining. **2021**, 236-251

2

666 Acknowledgements. **2021**, xvii-xviii

665 Graph Neural Networks in Computer Vision. **2021**, 222-235

664 Graph Neural Networks in Biochemistry and Health Care. **2021**, 252-264

663	Foundations. 2021 , 12-15	
662	A critical role of brain network architecture in a continuum model of autism spectrum disorders spanning from healthy individuals with genetic liability to individuals with ASD.	
661	Batch Effects are Causal Effects: Applications in Human Connectomics.	0
660	Functionnectome as a framework to analyse the contribution of brain circuits to fMRI. 2021 , 4, 1035	1
659	The European Prevention of Alzheimer's Dementia (EPAD) MRI Dataset and Processing Workflow.	1
658	Evidence for normal extra-axial cerebrospinal fluid volume in autistic males from middle childhood to adulthood. 2021 , 240, 118387	1
657	TMS-EEG: An emerging tool to study the neurophysiologic biomarkers of psychiatric disorders. 2021 , 197, 108574	8
656	Hippocampal contributions to social and cognitive deficits in autism spectrum disorder. 2021 , 44, 793-807	7
655	Unsupervised MR harmonization by learning disentangled representations using information bottleneck theory. 2021 , 243, 118569	7
654	Structural-covariance networks identify topology-based cortical-thickness changes in children with persistent executive function impairments after traumatic brain injury. 2021 , 244, 118612	0
653	Realistic image normalization for multi-Domain segmentation. 2021 , 74, 102191	2
652	Brain-Behavior Links in Autism Spectrum Disorder Across the Lifespan. 2022 , 346-354	
651	An age-dependent Connectivity-based computer aided diagnosis system for Autism Spectrum Disorder using Resting-state fMRI. 2022 , 71, 103108	1
650	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm. 2021 , 16, e0244756	2
649	Neural processing of facial identity and expression in adults with and without autism: A multi-method approach. 2021 , 29, 102520	2
648	Diagnosis of autism spectrum disorder with convolutional autoencoder and structural MRI images. 2021 , 23-38	2
647	Brain Mechanisms Supporting Flexible Cognition and Behavior in Adolescents With Autism Spectrum Disorder. 2021 , 89, 172-183	22
646	Inter-regional High-Level Relation Learning from Functional Connectivity via Self-supervision. 2021 , 284-293	0

645	Resting-state functional MRI shows altered default-mode network functional connectivity in Duchenne muscular dystrophy patients. 2021 , 15, 2297-2307	1
644	3D-Resnet Fused Attention for Autism Spectrum Disorder Classification. 2021 , 607-617	1
643	Task-Agnostic Out-of-Distribution Detection Using Kernel Density Estimation. 2021 , 91-101	
642	RSegNet: A Joint Learning Framework for Deformable Registration and Segmentation. 2021 , 1-15	0
641	A convergent structure-function substrate of cognitive imbalances in autism.	
640	A Graph Signal Processing Framework for the Classification of Temporal Brain Data. 2021 ,	1
639	The neural mechanisms of developmental motor disorders in children with autism spectrum disorder. 2021 , 29, 1239	
638	Convolutional Neural Network with Sparse Strategies to Classify Dynamic Functional Connectivity. 2021 , PP,	1
637	Global-Local Transformer for Brain Age Estimation. 2021 , PP,	3
636	HyperMorph: Amortized Hyperparameter Learning for Image Registration. 2021 , 3-17	18
635	Prediction of severity and treatment outcome for ASD from fMRI. 2018 , 11121, 9-17	3
634	A Lifelong Learning Approach to Brain MR Segmentation Across Scanners and Protocols. 2018 , 476-484	43
633	Inherent Brain Segmentation Quality Control from Fully ConvNet Monte Carlo Sampling. 2018 , 664-672	21
632	Brain Biomarker Interpretation in ASD Using Deep Learning and fMRI. 2018 , 11072, 206-214	26
631	Unsupervised Deep Learning for Bayesian Brain MRI Segmentation. 2019 , 11766, 356-365	21
630	Invertible Network for Classification and Biomarker Selection for ASD. 2019 , 11766, 700-708	7
629	Autism Classification Using Topological Features and Deep Learning: A Cautionary Tale. 2019 , 11766, 736-744	1
628	Quantifying Confounding Bias in Neuroimaging Datasets with Causal Inference. 2019 , 484-492	3

627	Heat Kernels with Functional Connectomes Reveal Atypical Energy Transport in Peripheral Subnetworks in Autism. 2019 , 54-63	1
626	Jointly Discriminative and Generative Recurrent Neural Networks for Learning from fMRI. 2019 , 11861, 382-390	8
625	Multidimensional Neuroimaging Processing in ReCaS Datacenter. 2019 , 468-477	2
624	Autoencoder Based Methods for Diagnosis of Autism Spectrum Disorder. 2020 , 39-51	6
623	Diagnosis of ASD from rs-fMRI Images Based on Brain Dynamic Networks. 2020 , 166-177	3
622	Efficient Shapley Explanation For Features Importance Estimation Under Uncertainty. 2020 , 12261, 792-801	2
621	Deep Graph Normalizer: A Geometric Deep Learning Approach for Estimating Connectional Brain Templates. 2020 , 155-165	12
620	Whole MILC: Generalizing Learned Dynamics Across Tasks, Datasets, and Populations. 2020 , 407-417	5
619	A 3D Convolutional Encapsulated Long Short-Term Memory (3DConv-LSTM) Model for Denoising fMRI Data. 2020 , 12267, 479-488	5
618	Edge-Variational Graph Convolutional Networks for Uncertainty-Aware Disease Prediction. 2020 , 562-572	8
617	EEG Analysis for Predicting Early Autism Spectrum Disorder Traits. 2021 , 658-675	1
616	Multiple-network classification of childhood autism using functional connectivity dynamics. 2014 , 17, 177-84	44
615	A Hierarchical Bayesian Model for Multi-Site Diffeomorphic Image Atlases. 2015 , 372-379	3
614	Neuropsychology. 2016 , 427-449	1
613	Population Based Image Imputation. 2017 , 10265, 659-671	7
612	Distance Metric Learning Using Graph Convolutional Networks: Application to Functional Brain Networks. 2017 , 469-477	50
611	Introduction to Human Neuroimaging. 2019 ,	3
610	Functional brain abnormalities associated with comorbid anxiety in autism spectrum disorder. 2020 , 32, 1273-1286	4

609	Latent variable GIMME using model implied instrumental variables (MIIVs). 2020 , 25, 227-242	15
608	Functional brain imaging in neuropsychology over the past 25 years. 2017 , 31, 954-971	15
607	Computer vision in autism spectrum disorder research: a systematic review of published studies from 2009 to 2019. 2020 , 10, 333	12
606	Temporal sequences of brain activity at rest are constrained by white matter structure and modulated by cognitive demands. 2020 , 3, 261	36
605	Progress and roadblocks in the search for brain-based biomarkers of autism and attention-deficit/hyperactivity disorder. 2017 , 7, e1218	72
604	Predicting symptom severity in autism spectrum disorder based on cortical thickness measures in agglomerative data.	1
603	Linked Data in Neuroscience: Applications, Benefits, and Challenges.	3
602	Homozygous loss of autism-risk gene CNTNAP2 results in reduced local and long-range prefrontal functional connectivity.	4
601	Deriving robust biomarkers from multi-site resting-state data: An Autism-based example.	2
600	MRIQC: Advancing the Automatic Prediction of Image Quality in MRI from Unseen Sites.	4
599	Direct modulation of aberrant brain network connectivity through real-time NeuroFeedback.	2
598	Harmonization of cortical thickness measurements across scanners and sites.	4
597	Improving multi-site autism classification based on site-dependence minimisation and second-order functional connectivity.	3
596	How does group differences in motion scrubbing affect false positives in functional connectivity studies?.	1
595	Atypical brain asymmetry in autism is a candidate for clinically meaningful stratification.	3
594	Associations Between Resting State Functional Connectivity and a Hierarchical Dimensional Structure of Psychopathology in Middle Childhood.	1
593	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology.	6
592	Quantifying Numerical and Spatial Reliability of Amygdala and Hippocampal Subdivisions in FreeSurfer.	3

591	Computational Psychiatry Research Map (CPSYMAP): a New Database for Visualizing Research Papers.	1
590	Examining the boundary sharpness coefficient as an index of cortical microstructure and its relationship to age and sex in autism spectrum disorder.	1
589	Parametric tests for Leave-One-Out Inter-Subject Correlations in fMRI provide adequate Type I error control while providing high sensitivity.	0
588	Controlling for effects of confounding variables on machine learning predictions.	11
587	Genes involved in cholesterol cascades are linked to brain connectivity in one third of autistic patients.	1
586	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm.	1
585	A cross-species link between mTOR-related synaptic pathology and functional hyperconnectivity in autism.	2
584	Brain mapping across 16 autism mouse models reveals a spectrum of functional connectivity subtypes.	3
583	Decreased homotopic interhemispheric functional connectivity in children with autism spectrum disorder.	1
582	More than the sum of its parts: Merging network psychometrics and network neuroscience with application in autism.	2
581	Functional idiosyncrasy has a shared topography with group-level connectivity alterations in autism.	5
580	The functional brain organization of an individual predicts measures of social abilities in autism spectrum disorder: Predicting symptoms in autism with brain imaging.	6
579	Genetics of brain age suggest an overlap with common brain disorders.	13
578	Machine learning approach to identify resting-state functional connectivity pattern serving as an endophenotype of autism spectrum disorder.	0
577	Oscillatory brain states govern spontaneous fMRI network dynamics.	7
576	Deep Neural Networks and Kernel Regression Achieve Comparable Accuracies for Functional Connectivity Prediction of Behavior and Demographics.	4
575	Dissecting the heterogeneous cortical anatomy of autism spectrum disorder using normative models.	2
574	ANOMALOUS PERCEPTION OF BIOLOGICAL MOTION IN AUTISM: A CONCEPTUAL REVIEW AND META-ANALYSIS.	1

573	Global Signal Regression Strengthens Association between Resting-State Functional Connectivity and Behavior.	6
572	The Importance of Anti-Correlations in Graph Theory Based Classification of Autism Spectrum Disorder.	2
571	Non-replication of functional connectivity differences in autism spectrum disorder across multiple sites and denoising strategies.	2
570	Reconciling Dimensional and Categorical Models of Autism Heterogeneity: a Brain Connectomics & Behavioral Study.	3
569	Optimal choice of parameters in functional connectome-based predictive modelling might be biased by motion: comment on Dadi et al.	1
568	Anatomical development of the cerebellothalamic tract in embryonic mice.	2
567	Optimising network modelling methods for fMRI.	2
566	From a deep learning model back to the brain - inferring morphological markers and their relation to aging.	1
565	Privacy-preserving quality control of neuroimaging datasets in federated environment.	3
564	Neuropsychiatric mutations delineate functional brain connectivity dimensions contributing to autism and schizophrenia.	1
563	A Review on Medical Image Analysis with Convolutional Neural Networks. 2020 ,	1
562	Graph Embedding Using Infomax for ASD Classification and Brain Functional Difference Detection. 2020 , 11317,	4
561	Chapter 11 Imaging the striatum in autism spectrum disorder. 2016 , 189-218	1
560	Chapter 13 Imaging brain connectivity in autism spectrum disorder. 2016 , 245-286	2
559	COINSTAC: Decentralizing the future of brain imaging analysis. 2017 , 6, 1512	15
558	PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. 2014 , 3, 313	1
557	Semi-Metric Topology of the Human Connectome: Sensitivity and Specificity to Autism and Major Depressive Disorder. 2015 , 10, e0136388	14
556	Functional Organization of the Action Observation Network in Autism: A Graph Theory Approach. 2015 , 10, e0137020	17

555	Functional Connectivity of the Caudal Anterior Cingulate Cortex Is Decreased in Autism. 2016 , 11, e0151879	28
554	Divide and Conquer: Sub-Grouping of ASD Improves ASD Detection Based on Brain Morphometry. 2016 , 11, e0153331	27
553	Aberrant Resting-State Functional Connectivity in the Salience Network of Adolescent Chronic Fatigue Syndrome. 2016 , 11, e0159351	24
552	Temporal fractal analysis of the rs-BOLD signal identifies brain abnormalities in autism spectrum disorder. 2017 , 12, e0190081	6
551	Machine learning (ML) for the diagnosis of autism spectrum disorder (ASD) using brain imaging. 2020 ,	15
550	Pushing the Boundaries of Psychiatric Neuroimaging to Ground Diagnosis in Biology. 2019 , 6,	10
549	Associations Between Interoceptive Cognition and Age in Autism Spectrum Disorder and Typical Development. 2017 , 16, 23-37	25
548	Beware (Surprisingly Common) Left-Right Flips in Your MRI Data: An Efficient and Robust Method to Check MRI Dataset Consistency Using AFNI. 2020 , 14, 18	3
547	How much motion is too much motion? Determining motion thresholds by sample size for reproducibility in developmental resting-state MRI. 3, e12569	6
546	Developing predictive imaging biomarkers using whole-brain classifiers: Application to the ABIDE I dataset. 3, e12733	10
545	Tools Matter: Comparison of Two Surface Analysis Tools Applied to the ABIDE Dataset. 3, e13726	3
544	Will Neuroimaging Produce a Clinical Tool for Psychiatry?. 2019 , 49, 209-214	1
543	Age-related connectivity differences between attention deficit and hyperactivity disorder patients and typically developing subjects: a resting-state functional MRI study. 2017 , 12, 1640-1647	7
542	Atypical intrinsic neural timescale in autism. 2019 , 8,	48
541	Default mode-visual network hypoconnectivity in an autism subtype with pronounced social visual engagement difficulties. 2019 , 8,	17
540	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. 2020 , 9,	37
539	Atypically high influence of subcortical activity on primary sensory regions in autism. 2021 , 32, 102839	1
538	Deep Transfer Learning for Cerebral Cortex Using Area-Preserving Geometry Mapping. 2021 ,	1

537	A Federated Multigraph Integration Approach for Connectional Brain Template Learning. 2021 , 36-47	1
536	Domain Adaptation for Medical Image Analysis: A Survey. 2021 , PP,	36
535	A Convolutional Neural Network Combined With Prototype Learning Framework for Brain Functional Network Classification of Autism Spectrum Disorder. 2021 , 29, 2193-2202	0
534	Autism spectrum disorder diagnosis support model using Inception V3. 2021 ,	0
533	Autistic Spectrum Disorder Detection and Structural Biomarker Identification Using Self-Attention Model and Individual-Level Morphological Covariance Brain Networks. 2021 , 15, 756868	2
532	Multi-site clustering and nested feature extraction for identifying autism spectrum disorder with resting-state fMRI. 2021 , 75, 102279	7
531	Reproducible neuroimaging features for diagnosis of Autism spectrum disorder with machine learning.	
530	Identification of Autism Spectrum Disorder With Functional Graph Discriminative Network. 2021 , 15, 729937	0
529	Involvement of the habenula in the pathophysiology of autism spectrum disorder. 2021 , 11, 21168	3
528	New methods for multiple testing in permutation inference for the general linear model. 2021 , 41, 276	0
527	Feeding the machine: Challenges to reproducible predictive modeling in resting-state connectomics.. 2022 , 6, 29-48	0
526	Aberrant dynamic functional connectivity features within default mode network in patients with autism spectrum disorder: evidence from dynamical conditional correlation.. 2022 , 16, 391-399	0
525	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. 2021 , 12, 6084	10
524	Alterations in Connectome Dynamics in Autism Spectrum Disorder: A Harmonized Mega- and Meta-Analysis Study Using the ABIDE Dataset.	0
523	Brain MRI in Autism Spectrum Disorder: Narrative Review and Recent Advances. 2021 ,	1
522	Autism spectrum disorder in architecture perspective: a review of the literature and bibliometric assessment of research indexed in Web of Science. 10, 1087	
521	Autism spectrum disorder diagnosis using graph attention network based on spatial-constrained sparse functional brain networks. 2021 , 139, 104963	4
520	Apport des neurosciences en pratique clinique : exemple de l'autisme. 2014 , 185-199	

- 519 Autismespectrumstoornis. **2014**, 373-391
- 518 PRN: a preprint service for catalyzing R-fMRI and neuroscience related studies. **2014**, 3, 313 1
- 517 Neuroimaging in Autism Spectrum Disorders. **2015**, 117-152 0
- 516 Mixed Effects Models for Resampled Network Statistics Improves Statistical Power to Find Differences in Multi-Subject Functional Connectivity.
- 515 Concordance Among Indices of Intrinsic Brain Function: Insights from Inter-Individual Variation and Temporal Dynamics.
- 514 Genome-wide characterization of genetic and functional dysregulation in autism spectrum disorder. 2
- 513 Mindcontrol: A Web Application for Brain Segmentation Quality Control. 1
- 512 Chapter 14 Brain network organization in ASD. **2016**, 287-318
- 511 Toddlers later diagnosed with autism exhibit multiple structural abnormalities in temporal corpus callosum fibers.
- 510 A Unified Bayesian Approach to Extract Network-Based Functional Differences from a Heterogeneous Patient Cohort. **2017**, 60-69
- 509 NAPR: a cloud-based framework for neuroanatomical age prediction.
- 508 Region-Wise Stochastic Pattern Modeling for Autism Spectrum Disorder Identification and Temporal Dynamics Analysis. **2017**, 143-151 1
- 507 Multidimensional encoding of brain connectomes. 0
- 506 Mindcontrol: Organize, quality control, annotate, edit, and collaborate on neuroimaging processing results. 3, e12276 0
- 505 Cerebellar volume in autism: Meta-analysis and analysis of the ABIDE cohort. 0
- 504 Clinically Useful Brain Imaging for Neuropsychiatry: How Can We Get There?.
- 503 Modelling neuroanatomical variation due to age and sex during childhood and adolescence.
- 502 Insight and Inference for DVARS. 1

501 Gradients of cortical hierarchy in Autism. 3, e13391

500 Different brain networks underlying intelligence in Autism Spectrum Disorders.

499 Altered neocortical gene expression, brain overgrowth and functional over-connectivity in Chd8 haploinsufficient mice.

498 Personalized intrinsic network topography mapping and functional connectivity deficits in Autism Spectrum Disorder. 1

497 Assessment of the impact of shared data on the scientific literature.

496 Functional connectivity-based subtypes of individuals with and without autism spectrum disorder.

495 Encyclopedia of Autism Spectrum Disorders. 2018, 1-2

494 Brain networks, dimensionality, and global signal averaging in resting-state fMRI: Hierarchical network structure results in low-dimensional spatiotemporal dynamics. 0

493 Altered Developmental Trajectories in Intrinsic Function between Default, Salience, and Executive Networks in High-Functioning Autism. 0

492 Data management and sharing in neuroimaging: Practices and perceptions of MRI researchers. 1

491 Physiological Significance of R-fMRI Indices: Can Functional Metrics Differentiate Structural Lesions (Brain Tumors)?.

490 Evaluation of inter-site bias and variance in diffusion-weighted MRI. 2018, 10574, 0

489 Integration and segregation in Autism Spectrum Disorders modulated by age, disease, and interaction: A graph theoretic study of intrinsic functional connectivity.

488 Reproducible functional connectivity alterations are associated with autism spectrum disorder. 0

487 Overt social interaction and resting state in young adult males with autism: core and contextual neural features.

486 A framework for offline evaluation and optimization of real-time algorithms for use in neurofeedback, demonstrated on an instantaneous proxy for correlations.

485 Bagging Improves Reproducibility of Functional Parcellation of the Human Brain. 2

484 Harmonization of resting-state functional MRI data across multiple imaging sites via the separation of site differences into sampling bias and measurement bias. 1

- 483 Automagic: Standardized Preprocessing of Big EEG Data. 2
- 482 Age Related Topological Analysis of Synchronization-Based Functional Connectivity. **2019**, 652-662
- 481 A heuristic feature cluster search algorithm for precise functional brain mapping.
- 480 Autism Spectrum Disorders (ASD) Characterization in Children by Decomposing MRI Brain Regions with Zernike Moments. **2019**, 42-53
- 479 Network Dependency Index Stratified Subnetwork Analysis of Functional Connectomes: An Application to Autism. **2019**, 126-137 1
- 478 Sensorimotor functional connectivity in unilateral cerebral palsy: influence of corticospinal tract wiring pattern and clinical correlates.
- 477 A Comprehensive Database Based on Multiple Data Sources to Facilitate Diagnosis of ASD. **2019**, 106-113
- 476 Detecting Abnormalities in Resting-State Dynamics: An Unsupervised Learning Approach. **2019**, 301-309 2
- 475 Detecting connectivity changes in autism spectrum disorder using large-scale Granger causality. **2019**,
- 474 Cortical surface architecture endophenotype and correlates of clinical diagnosis of autism spectrum disorder. 1
- 473 Introduction to Human Neuroimaging. **2019**, 325-342
- 472 Introduction to Human Neuroimaging. **2019**, 343-350
- 471 Introduction to Human Neuroimaging. **2019**, 142-162
- 470 Introduction to Human Neuroimaging. **2019**, 209-230
- 469 Introduction to Human Neuroimaging. **2019**, 127-141 1
- 468 Introduction to Human Neuroimaging. **2019**, 79-101
- 467 Introduction to Human Neuroimaging. **2019**, 275-276
- 466 Introduction to Human Neuroimaging. **2019**, 292-308

465 Introduction to Human Neuroimaging. **2019**, 163-190

464 Introduction to Human Neuroimaging. **2019**, 309-324

463 Introduction to Human Neuroimaging. **2019**, 252-274

462 Introduction to Human Neuroimaging. **2019**, xv-xviii

461 Introduction to Human Neuroimaging. **2019**, 48-76

460 Introduction to Human Neuroimaging. **2019**, 1-28

459 Introduction to Human Neuroimaging. **2019**, 31-47

458 Introduction to Human Neuroimaging. **2019**, 77-78

457 Introduction to Human Neuroimaging. **2019**, 277-291

456 Introduction to Human Neuroimaging. **2019**, 102-126

455 Introduction to Human Neuroimaging. **2019**, 191-192

454 Introduction to Human Neuroimaging. **2019**, 193-208

453 Introduction to Human Neuroimaging. **2019**, 231-251

452 Introduction to Human Neuroimaging. **2019**, 29-30

451 Hidden Aspects of the Research-ADOS are Bound to Affect Autism Science.

450 Adding Extra Knowledge in Scalable Learning of Sparse Differential Gaussian Graphical Models. ○

449 Altered brain-wide auditory networks in fmr1-mutant larval zebrafish. 3

448 MECP2 duplication causes aberrant GABA pathways, circuits and behaviors in transgenic monkeys: neural mappings to patients with autism. ○

- 447 Increased contrast of the grey-white matter boundary in the motor, visual and auditory areas in Autism Spectrum Disorders.
- 446 DataAutism: An Early Detection Framework of Autism in Infants using Data Science. **2020**, 167-178 7
- 445 Patterns of Autism Symptoms: Hidden Structure in the ADOS and ADI-R instruments.
- 444 The genetic architecture of human brainstem structures and their involvement in common brain disorders. 0
- 443 Beware (surprisingly common) left-right flips in your MRI data: an efficient and robust method to check MRI dataset consistency using AFNI.
- 442 Variance and Scale-Free Properties of Resting-State BOLD Signal Alter after Fear Memory Acquisition and Extinction.
- 441 Demographic-Guided Attention in Recurrent Neural Networks for Modeling Neuropathophysiological Heterogeneity. **2020**, 12436, 363-372
- 440 Distortion correction of diffusion weighted MRI without reverse phase-encoding scans or field-maps.
- 439 Understanding the impact of preprocessing pipelines on neuroimaging cortical surface analyses. 2
- 438 Differential neural circuitry behind autism subtypes with imbalanced social-communicative and restricted repetitive behavior symptoms.
- 437 Adjusting for Allometric Scaling in ABIDE I Challenges Subcortical Volume Differences in Autism Spectrum Disorder.
- 436 Towards robust and replicable sex differences in the intrinsic brain function of autism.
- 435 Reproducible functional connectivity endophenotype confers high risk of ASD diagnosis in a subset of individuals.
- 434 Gray matter covariations and core symptoms of autism. The EU-AIMS Longitudinal European Autism Project. 0
- 433 A collaborative resource platform for non-human primate neuroimaging. 0
- 432 An assessment of the autism neuroimaging literature for the prospects of re-executability. **2020**, 9, 1031 0
- 431 Predicting Sex from Resting-State fMRI Across Multiple Independent Acquired Datasets. 0
- 430 Investigating Developmental Changes in Scalp-Cortex Correspondence Using Diffuse Optical Tomography Sensitivity in Infancy. 0

- 429 A Comprehensive Literature Review of Application of Artificial Intelligence in Functional Magnetic Resonance Imaging for Disease Diagnosis. 1-19
- 428 Fully automated quality control of rigid and affine registrations of T1w and T2w MRI in big data using machine learning. **2021**, 139, 104997 ○
- 427 Transport-Based Joint Distribution Alignment for Multi-site Autism Spectrum Disorder Diagnosis Using Resting-State fMRI. **2020**, 444-453 1
- 426 Generalizing deep whole-brain segmentation for post-contrast MRI with transfer learning. **2020**, 7, 064004 ○
- 425 Cross-species machine learning improves diagnostic classification of human psychiatric disorders.
- 424 Developments in AI and Machine Learning for Neuroimaging. **2020**, 307-320 ○
- 423 Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. 1
- 422 Comparative Study on ASD Identification Using Machine and Deep Learning. **2020**, 250-270
- 421 Unsupervised Graph Domain Adaptation for Neurodevelopmental Disorders Diagnosis. **2020**, 496-505
- 420 On the Fairness of Privacy-Preserving Representations in Medical Applications. **2020**, 140-149 ○
- 419 Self-recursive Contextual Network for Unsupervised 3D Medical Image Registration. **2020**, 60-69 1
- 418 Classification of Autism Based on fMRI Data with Feature-Fused Convolutional Neural Network. **2020**, 77-88 ○
- 417 Hyper-connectivity of the striatum related to restricted and repetitive behaviors severity in children with ASD. 2
- 416 Examining the relationship between social cognition and neural synchrony during movies in children with and without autism. 2
- 415 Shared and distinct patterns of atypical cortical morphometry in children with autism and anxiety.
- 414 SWADESH: A Comprehensive Platform for Multimodal Data and Analytics for Advanced Research in Alzheimer's Disease and Other Brain Disorders. **2021**,
- 413 Relationship between Short-Range and Homotopic Long-Range Resting State Functional Connectivity in Temporal Lobes in Autism Spectrum Disorder. **2021**, 11, 3
- 412 A low-resource reliable pipeline to democratize multi-modal connectome estimation and analysis. ○

411	Deep Learning-Based Unlearning of Dataset Bias for MRI Harmonisation and Confound Removal.	1
410	Machine Learning Framework for Fully Automatic Quality Checking of Rigid and Affine Registrations in Big Data Brain MRI.	
409	At the Crossroads Between Psychiatry and Machine Learning: Insights Into Paradigms and Challenges for Clinical Applicability. 2020 , 11, 552262	
408	Mapping Brain-Behavior Space Relationships Along the Psychosis Spectrum.	0
407	A Generalizable Method for Automated Quality Control of Functional Neuroimaging Datasets. 2021 , 55-68	1
406	[Neurobiology of autism and attention deficit hyperactivity disorder by means of neuroimaging techniques: convergences and divergences]. 2013 , 57 Suppl 1, S163-75	1
405	Translational Meta-analytical Methods to Localize the Regulatory Patterns of Neurological Disorders in the Human Brain. 2015 , 2015, 2073-82	
404	Learning Subnetwork Biomarkers via Hypergraph for Classification of Autism Disease. 2017 , 2017, 1719	
403	Distributed Weight Consolidation: A Brain Segmentation Case Study. 2018 , 31, 4093-4103	2
402	TE-HI-GCN: An Ensemble of Transfer Hierarchical Graph Convolutional Networks for Disorder Diagnosis. 2021 , 1	5
401	Atlas of lesion locations and postsurgical seizure freedom in focal cortical dysplasia: A MELD study. 2021 ,	5
400	Insights from an autism imaging biomarker challenge: promises and threats to biomarker discovery.	0
399	Systematic Evaluation of Machine Learning Algorithms for Neuroanatomically-Based Age Prediction in Youth.	
398	A Systematic Review of Federated Learning in the Healthcare Area: From the Perspective of Data Properties and Applications. 2021 , 11, 11191	11
397	A Novel Machine Learning Based Framework for Detection of Autism Spectrum Disorder (ASD). 1-33	2
396	Increased heterogeneity and task-related reconfiguration of functional connectivity within a lexicosemantic network in autism.	
395	Graph Ricci Curvatures Reveal Disease-related Changes in Autism Spectrum Disorder.	
394	Requirement to change of functional brain network across the lifespan. 2021 , 16, e0260091	0

393	Parietal and hippocampal hyper-connectivity is associated with low math achievement in adolescence - A preliminary study. 2021 , e13187	1
392	Constructing Multi-view High-order Functional Connectivity Networks for Diagnosis of Autism Spectrum Disorder. 2021 , PP,	0
391	A CNN Based 3D Connectivity Matrices Features for Autism Detection: Application on ABIDE I. 2021 , 293-302	0
390	Connectome-wide mega-analysis reveals robust patterns of atypical functional connectivity in autism.	0
389	Bridging gaps between images and data: a systematic update on imaging biobanks.. 2022 , 1	4
388	Dear reviewers: Responses to common reviewer critiques about infant neuroimaging studies.. 2021 , 53, 101055	1
387	A protocol for working with open-source neuroimaging datasets.. 2022 , 3, 101077	
386	Exploring Intensity Invariance in Deep Neural Networks for Brain Image Registration. 2020 ,	
385	Optimizing Loss Function for Uni-modal and Multi-modal Medical Registration. 2021 , 264-275	0
384	Frequency-specific age-related changes in the amplitude of spontaneous fluctuations in autism.. 2022 , 11, 349-358	0
383	Dimension Reduction in fMRI Images based on Metaheuristic Algorithm to Diagnose Autism. 2021 , 9, 1-11	0
382	Deep Learning Approach for an early stage detection of Neurodevelopmental Disorders. 2021 ,	
381	Graph Convolutional Networks via Low-Rank Subspace for Multi-Site rs-fMRI ASD Diagnosis. 2021 ,	
380	Cortical thickness systematically varies with curvature and depth in healthy human brains.. 2022 ,	2
379	Mapping the Heterogeneous Brain Structural Phenotype of Autism Spectrum Disorder Using the Normative Model.. 2022 ,	1
378	Dynamic Functional Connectivity Alterations and Their Associated Gene Expression Pattern in Autism Spectrum Disorders.. 2021 , 15, 794151	0
377	Detection of Autism Spectrum Disorder using fMRI Functional Connectivity with Feature Selection and Deep Learning. 1	1
376	The Role of Structure MRI in Diagnosing Autism.. 2022 , 12,	3

375	Variational dimensions of cingulate cortex functional connectivity and implications in neuropsychiatric disorders.. 2022 ,	1
374	Role of melatonin in autism spectrum disorders in a male murine transgenic model: Study in the prefrontal cortex.. 2022 ,	0
373	Epidural labour analgesia and autism spectrum disorder: is the current evidence sufficient to dismiss an association?. 2022 ,	1
372	Alterations of Prefrontal-Posterior Information Processing Patterns in Autism Spectrum Disorders.. 2021 , 15, 768219	0
371	BrainStat: A toolbox for brain-wide statistics and neuroscientific contextualization.	0
370	Evaluating the Potential Use of Serotonergic Psychedelics in Autism Spectrum Disorder.. 2021 , 12, 749068	1
369	Classification of Preschoolers with Low-Functioning Autism Spectrum Disorder Using Multimodal MRI Data.. 2022 , 1	0
368	Sex/gender differences in children with autism spectrum disorder: A brief overview on epidemiology, symptom profile, and neuroanatomy.. 2022 ,	0
367	Multi-Scale Graph Representation Learning for Autism Identification With Functional MRI.. 2021 , 15, 802305	3
366	Deep Learning in Large and Multi-Site Structural Brain MR Imaging Datasets.. 2021 , 15, 805669	2
365	Novel treatments in autism spectrum disorder.. 2022 , 35,	0
364	Light-weight Deformable Registration using Adversarial Learning with Distilling Knowledge.. 2022 , PP,	3
363	Accounting for motion in fMRI: What part of the spectrum are we characterizing in autism spectrum disorder?.	
362	Quantifying the reproducibility of graph neural networks using multigraph data representation.. 2022 , 148, 254-265	3
361	Disease prediction with edge-variational graph convolutional networks.. 2022 , 77, 102375	1
360	Compromised mammillary body connectivity and psychotic symptoms in mice with di- and mesencephalic ablation of ST8SIA2.. 2022 , 12, 51	0
359	The role of head circumference and cerebral volumes to phenotype male adults with autism spectrum disorder.. 2022 , e2460	1
358	FastSurferVINN: Building Resolution-Independence into Deep Learning Segmentation Methods - A Solution for HighRes Brain MRI.. 2022 , 251, 118933	1

357	An Invertible Dynamic Graph Convolutional Network for Multi-Center ASD Classification.. 2021 , 15, 828512	0
356	MVS-GCN: A prior brain structure learning-guided multi-view graph convolution network for autism spectrum disorder diagnosis.. 2022 , 142, 105239	5
355	More than the sum of its parts: Merging network psychometrics and network neuroscience with application in autism. 1-22	2
354	Coordinated Cortical Thickness Alterations across Psychiatric Conditions: A Transdiagnostic ENIGMA Study.	0
353	Epigenetic clock analysis and increased plasminogen activator inhibitor-1 in high-functioning autism spectrum disorder.. 2022 , 17, e0263478	0
352	Hierarchical Synchronization Estimation of Low- and High-Order Functional Connectivity Based on Sub-Network Division for the Diagnosis of Autism Spectrum Disorder.. 2021 , 15, 810431	0
351	A callosal biomarker of behavioral intervention outcomes for autism spectrum disorder? A case-control feasibility study with diffusion tensor imaging.. 2022 , 17, e0262563	0
350	Reconfiguration of Brain Network Dynamics in Autism Spectrum Disorder Based on Hidden Markov Model.. 2022 , 16, 774921	0
349	Revealing the Selectivity of Neuroanatomical Alteration in Autism Spectrum Disorder via Reverse Inference.. 2022 ,	2
348	Jointly Composite Feature Learning and Autism Spectrum Disorder Classification Using Deep Multi-Output Takagi-Sugeno-Kang Fuzzy Inference Systems.. 2022 , PP,	0
347	Are Non-image Data Really Necessary for Disease Prediction with Graph Convolutional Networks?. 2022 , 1-1	0
346	Autism Detection Using Surface and Volumetric Morphometric Feature of sMRI with Machine Learning Approach. 2022 , 625-633	1
345	Outlier-Based Autism Detection Using Longitudinal Structural MRI. 2022 , 10, 27794-27808	0
344	Compressed Channel Attention Mechanism for 3D Medical Image Segmentation of Liver. 2022 , 209-218	0
343	Multi-level Functional Connectivity Fusion Classification Framework for Brain Disease Diagnosis.. 2022 , PP,	2
342	Transfer Learning Approaches for Neuroimaging Analysis: A Scoping Review.. 2022 , 5, 780405	1
341	Deep learning identifies robust gender differences in functional brain organization and their dissociable links to clinical symptoms in autism.. 2022 , 1-8	1
340	Identifying and Predicting Autism Spectrum Disorder Based on Multi-Site Structural MRI With Machine Learning.. 2021 , 15, 765517	0

339	Robust, Generalizable, and Interpretable Artificial Intelligence-Derived Brain Fingerprints of Autism and Social Communication Symptom Severity.. 2022,	0
338	The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. 11, 228	
337	Reproducible neuroimaging features for diagnosis of autism spectrum disorder with machine learning.. 2022, 12, 3057	1
336	Flattened Structural Network Changes and Association of Hyperconnectivity With Symptom Severity in 2-7-Year-Old Children With Autism.. 2021, 15, 757838	
335	The role of artificial intelligence in paediatric neuroradiology.. 2022, 1	0
334	Pitfalls and Recommended Strategies and Metrics for Suppressing Motion Artifacts in Functional MRI.. 2022, 1	0
333	Privacy-preserving quality control of neuroimaging datasets in federated environments.. 2022,	1
332	Functional Connectivity of the Brain Across Rodents and Humans.. 2022, 16, 816331	2
331	BrainQCNet: a Deep Learning attention-based model for multi-scale detection of artifacts in brain structural MRI scans.	0
330	The link between autism and sex-specific neuroanatomy, and associated cognition and gene expression.	0
329	Oxytocin normalizes altered circuit connectivity for social rescue of the Cntnap2 knockout mouse.. 2021,	2
328	Subcortical Brain Morphometry Differences between Adults with Autism Spectrum Disorder and Schizophrenia.. 2022, 12,	0
327	Regional, circuit, and network heterogeneity of brain abnormalities in psychiatric disorders.	1
326	Brain charts for the human lifespan.. 2022,	15
325	Abnormal regional spontaneous brain activities in white matter in patients with autism spectrum disorder.. 2022,	0
324	Distributed functional connectivity network method for identifying autism spectrum disorder. 2021	
323	Outlier detection in multimodal MRI identifies rare individual phenotypes among more than 15,000 brains.. 2021,	2
322	Temporal Graph Representation Learning for Autism spectrum disorder Brain Networks. 2021,	

321	Excessive functional coupling with less variability between salience and default-mode networks in Autism Spectrum Disorder.. 2021 ,	1
320	Accurate Brain Age Prediction Model for Healthy Children and Adolescents using 3D-CNN and Dimensional Attention. 2021 ,	0
319	Are Credit-Based Internet Consumer Finance Platforms Sustainable? A Study on Continuous Use Intention of Chinese Users. 2021 , 13, 13629	1
318	Neuroimaging brain growth charts: A road to mental health.. 2021 , 1, 272-286	0
317	INCloud: integrated neuroimaging cloud for data collection, management, analysis and clinical translations.. 2021 , 34, e100651	1
316	Alterations in Connectome Dynamics in Autism Spectrum Disorder: A Harmonized Mega- and Meta-analysis Study Using the Autism Brain Imaging Data Exchange Dataset.. 2021 ,	2
315	Improving Between-Group Effect Size for Multi-Site Functional Connectivity Data via Site-Wise De-Meaning.. 2021 , 15, 762781	0
314	Deep Relation Learning for Regression and Its Application to Brain Age Estimation.. 2022 , PP,	0
313	Performance Evaluation of Machine Learning Techniques Applied to Magnetic Resonance Imaging of Individuals with Autism Spectrum Disorder. 2022 , 1727-1731	
312	OUP accepted manuscript.	1
311	Optimize Transfer Learning for Autism Spectrum Disorder Classification with Neuroimaging: A Comparative Study. 2022 ,	0
310	Addressing Motion Blurs in Brain MRI Scans Using Conditional Adversarial Networks and Simulated Curvilinear Motions.. 2022 , 8,	
309	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles.. 2022 , 119212	0
308	Covariance Shrinkage can Assess and Improve Functional Connectomes.. 2022 , 119229	
307	rs-fMRI and machine learning for ASD diagnosis: a systematic review and meta-analysis.. 2022 , 12, 6030	3
306	Insights from an autism imaging biomarker challenge: promises and threats to biomarker discovery.. 2022 , 119171	1
305	Table_1.XLSX. 2020 ,	
304	Data_Sheet_1.pdf. 2020 ,	

303 Data_Sheet_1.pdf. **2020,**

302 Image_1.TIF. **2018,**

301 Image_2.TIF. **2018,**

300 Image_3.TIF. **2018,**

299 Data_Sheet_1.PDF. **2019,**

298 Data_Sheet_1.pdf. **2018,**

297 Data_Sheet_2.docx. **2018,**

296 Data_Sheet_1.PDF. **2018,**

295 Data_Sheet_2.PDF. **2018,**

294 Data_Sheet_3.PDF. **2018,**

293 Data_Sheet_4.PDF. **2018,**

292 DataSheet1.PDF. **2018,**

291 DataSheet2.docx. **2018,**

290 Table_1.docx. **2019,**

289 Table_2.docx. **2019,**

288 Table_3.docx. **2019,**

287 Table_4.docx. **2019,**

286 Table_5.docx. **2019,**

285 Table_6.docx. **2019**,

284 Table_7.docx. **2019**,

283 Data_Sheet_1.pdf. **2020**,

282 Data_Sheet_1.docx. **2019**,

281 Data_Sheet_2.docx. **2019**,

280 Image_1.TIF. **2019**,

279 Image_2.TIF. **2019**,

278 Image_3.TIF. **2019**,

277 Image_4.TIF. **2019**,

276 Image_5.TIF. **2019**,

275 Image_6.TIF. **2019**,

274 Table_1.docx. **2020**,

273 Table_2.docx. **2020**,

272 Table_3.docx. **2020**,

271 Data_Sheet_1.docx. **2018**,

270 DataSheet_1.doc. **2019**,

269 Image_1.tif. **2019**,

268 Image_2.tif. **2019**,

267	Image_3.tif. 2019 ,	
266	DataSheet_1.docx. 2019 ,	
265	Joint Progressive and Coarse-to-fine Registration of Brain MRI via Deformation Field Integration and Non-Rigid Feature Fusion.. 2022 , PP,	3
264	Data Preparation for Artificial Intelligence. 2022 , 37-43	
263	Functional Brain Network Classification Based On Deep Graph Hashing Learning.. 2022 , PP,	0
262	Coupling Deep Deformable Registration with Contextual Refinement for Semi-Supervised Medical Image Segmentation. 2022 ,	1
261	Functional connectome-based predictive modelling in autism. 2022 ,	0
260	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. 2022 , 20, e3001627	1
259	Modeling Transient Brain Coactivity Patterns in Latent Space with FMRI Data.	
258	To Stick or Not to Stick: The Multiple Roles of Cell Adhesion Molecules in Neural Circuit Assembly.. 2022 , 16, 889155	0
257	Disrupted functional connectivity of the primary auditory cortex in autism. 2022 , 111490	1
256	The Altered Pattern of the Functional Connectome Related to Pathological Biomarkers in Individuals for Autism Spectrum Disorder Identification. 2022 , 16,	1
255	Modeling the dynamic brain network representation for autism spectrum disorder diagnosis.. 2022 , 1	
254	A convergent structure-function substrate of cognitive imbalances in autism.. 2022 ,	0
253	Accounting for motion in resting-state fMRI: What part of the spectrum are we characterizing in autism spectrum disorder?. 2022 , 119296	0
252	Lifespan Volume Trajectories From NonHarmonized T1Weighted MRI Do Not Differ After Site Correction Based on Traveling Human Phantoms. 2022 , 13,	0
251	Somatosensory cortex hyperconnectivity and impaired whisker-dependent responses in Cntnap2 mice.. 2022 , 105742	0
250	Identification of Pathogenetic Brain Regions via Neuroimaging Data for Diagnosis of Autism Spectrum Disorders. 2022 , 16,	

249	Rest-fMRI based comparison study between autism spectrum disorder and typically control using graph frequency bands. 2022 , 105643	0
248	Graph Ricci curvatures reveal atypical functional connectivity in autism spectrum disorder.. 2022 , 12, 8295	0
247	Privacy preserving mutli-source domain adaptaion for medical data.. 2022 , PP,	1
246	Cross-Resolution Distillation for Efficient 3D Medical Image Registration. 2022 , 1-1	3
245	Analysis of Functional Connectome Pipelines for the Diagnosis of Autism Spectrum Disorders. 2022 , 213-222	
244	Prediction of Autism Spectrum Disorder using Convolution Neural Network. 2022 ,	0
243	Volitional brain regulation is related to improvements in affective characteristics of adolescents with autism spectrum disorder.	
242	Pattern of frustration formation in the functional brain network.	
241	A Brief Survey on No-Reference Image Quality Assessment Methods for Magnetic Resonance Images. 2022 , 8, 160	2
240	Contrastive machine learning reveals the structure of neuroanatomical variation within autism. 2022 , 376, 1070-1074	2
239	Multi-centre classification of functional neurological disorders based on resting-state functional connectivity. 2022 , 35, 103090	0
238	Brain function and brain connectivity in autism. 2022 , 107-126	
237	Association between resting-state functional brain connectivity and gene expression is altered in autism spectrum disorder. 2022 , 13,	1
236	A Chinese multi-modal neuroimaging data release for increasing diversity of human brain mapping. 2022 , 9,	0
235	Knowledge Graph Applications in Medical Imaging Analysis: A Scoping Review. 2022 , 2022, 1-13	0
234	Autism spectrum disorder recognition based on multi-view ensemble learning with multi-site fMRI.	0
233	Neural circuit pathology driven by Shank3 mutation disrupts social behaviors. 2022 , 39, 110906	0
232	Digital Analysis of Smart Registration Methods for Magnetic Resonance Images in Public Healthcare. 10,	

- 231 Modeling spatio-temporal patterns of holistic functional brain networks via multi-head guided attention graph neural networks (Multi-Head GAGNNs). **2022**, 80, 102518
- 230 Altered resting state dynamic functional connectivity of amygdala subregions in patients with autism spectrum disorder: A multi-site fMRI study. **2022**, 312, 69-77 ○
- 229 Software for Neuroimaging Data Analysis. **2022**, 3159-3171
- 228 A Spatial-Temporal Integration Analysis to Classify Dynamic Functional Connectivity for Brain Disease Diagnosis. **2022**, 549-558
- 227 The Open-Access European Prevention of Alzheimer's Dementia (EPAD) MRI dataset and processing workflow. **2022**, 35, 103106 1
- 226 Multi-site harmonization of MRI data uncovers machine-learning discrimination capability in barely separable populations: An example from the ABIDE dataset. **2022**, 35, 103082 ○
- 225 Movement Disorders and Neuropsychiatric Conditions. **2022**, 619-636
- 224 A guided multiverse study of neuroimaging analyses. **2022**, 13, 1 1
- 223 Detection of Autism Spectrum Disorder Using Graph Representation Learning Algorithms and Deep Neural Network, Based on fMRI Signals.
- 222 Autism excitation-inhibition imbalance linked to brain hyperconnectivity: An analysis based on 657 autistic subjects.
- 221 Different functional connectivity optimal frequency in autism compared with healthy controls and the relationship with social communication deficits: Evidence from gene expression and behavior symptom analyses.
- 220 Multi-View Feature Enhancement Based on Self-Attention Mechanism Graph Convolutional Network for Autism Spectrum Disorder Diagnosis. 16, 1 1
- 219 A unified framework of graph structure learning, graph generation and classification for brain network analysis. 1 1
- 218 Tbr1 Misexpression Alters Neuronal Development in the Cerebral Cortex. ○
- 217 Identification of Young High-Functioning Autism Individuals Based on Functional Connectome Using Graph Isomorphism Network: A Pilot Study. **2022**, 12, 883 ○
- 216 Pattern of frustration formation in the functional brain network. 1-43
- 215 Age-related changes in diffuse optical tomography sensitivity profiles from childhood to adulthood. **2022**, 27, ○
- 214 Systematic Bibliometric and Visualized Analysis of Research Hotspots and Trends on Autism Spectrum Disorder Neuroimaging. **2022**, 2022, 1-15

213	Sparse Hierarchical Representation Learning on Functional Brain Networks for Prediction of Autism Severity Levels. 16,	1
212	Cofluctuation analysis reveals aberrant default mode network patterns in adolescents and youths with autism spectrum disorder.	
211	Regional homogeneity of adolescents with high-functioning autism spectrum disorder and its association with symptom severity.	0
210	FCBIAT: Hypergraph attention network for functional brain network classification. 2022, 608, 1301-1316	0
209	Identification of Autism spectrum disorder based on a novel feature selection method and Variational Autoencoder. 2022, 148, 105854	1
208	Enhancing medical image registration via appearance adjustment networks. 2022, 259, 119444	2
207	MAMF-GCN: Multi-scale adaptive multi-channel fusion deep graph convolutional network for predicting mental disorder. 2022, 148, 105823	0
206	Transformer-based Model for fMRI Data: ABIDE Results. 2022,	
205	QuNex [An Integrative Platform for Reproducible Neuroimaging Analytics.	0
204	The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. 11, 228	
203	Systematic evaluation of machine learning algorithms for neuroanatomically-based age prediction in youth.	0
202	The Atypical Effective Connectivity of Right Temporoparietal Junction in Autism Spectrum Disorder: A Multi-Site Study. 16,	1
201	Interpreting models interpreting brain dynamics. 2022, 12,	1
200	Autism spectrum disorder in architecture perspective: a review of the literature and bibliometric assessment of research indexed in Web of Science. 10, 1087	
199	Deep learning models and traditional automated techniques for brain tumor segmentation in MRI: a review.	2
198	Triple Network Model-Based Analysis on Abnormal Core Brain Functional Network Dynamics in Different Stage of Amnesic Mild Cognitive Impairment. 2022, 1-15	
197	Generating novel pituitary datasets from open-source imaging data and deep volumetric segmentation.	
196	Counterfactual inference graph network for disease prediction. 2022, 109722	

- 195 Online two-way estimation and inference via linear mixed-effects models.
- 194 Autism detection based on multiple time scale model.
- 193 Brain alterations of regional homogeneity, degree centrality, and functional connectivity in vulnerable carotid plaque patients with neither clinical symptoms nor routine MRI lesions: A resting-state fMRI study. 16,
- 192 Evaluation of data imputation strategies in complex, deeply-phenotyped data sets: the case of the EU-AIMS Longitudinal European Autism Project. **2022**, 22, ○
- 191 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 190 Connectome-based predictive models using resting-state fMRI for studying brain aging. ○
- 189 A sex-dependent computer aided diagnosis system for autism spectrum disorder using connectivity of resting-state fMRI. ○
- 188 Modelling brain dysconnectivity in rodents. **2022**, ○
- 187 Deep Hash with Optimal Transport-Based Domain Adaptation for Multisite MRI Retrieval. **2022**, 2022, 1-14 ○
- 186 Consistent connectome landscape mining for cross-site brain disease identification using functional MRI. **2022**, 82, 102591 ○
- 185 Accurate and Explainable Image-Based Prediction Using a Lightweight Generative Model. **2022**, 448-458 ○
- 184 Improving Multi-Site Autism Classification via Site-Dependence Minimization and Second-Order Functional Connectivity. **2022**, 1-1 ○
- 183 Investigating the Predictive Reproducibility of Federated Graph Neural Networks Using Medical Datasets. **2022**, 160-171 ○
- 182 Statistical quantification of confounding bias in machine learning models. **2022**, 11, 1
- 181 Deep Forest With Multi-Channel Message Passing and Neighborhood Aggregation Mechanisms for Brain Network Classification. **2022**, 1-10 ○
- 180 Non-iterative Coarse-to-Fine Registration Based on Single-Pass Deep Cumulative Learning. **2022**, 88-97 ○
- 179 Mapping Nonlinear Brain Dynamics by Phase Space Embedding with Fmri Data. ○
- 178 Semi-supervised Learning with Data Harmonisation for Biomarker Discovery from Resting State fMRI. **2022**, 441-451 ○

177	Spatial Information Regularized Tensor Decomposition Framework for Super-Resolution Reconstruction of Medical MRI and Radiographs. 2022 , 8, 865-878	0
176	Dual-HINet: Dual Hierarchical Integration Network of Multigraphs for Connectional Brain Template Learning. 2022 , 305-314	0
175	CortexODE: Learning Cortical Surface Reconstruction by Neural ODEs. 2022 , 1-1	0
174	FedHarmony: Unlearning Scanner Bias with Distributed Data. 2022 , 695-704	0
173	Can Segmentation Models Be Trained with Fully Synthetically Generated Data?. 2022 , 79-90	1
172	Federated Multi-Task Learning for Joint Diagnosis of Multiple Mental Disorders on MRI Scans. 2022 , 1-12	0
171	Diagnostic of autism spectrum disorder based on structural brain MRI images using, grid search optimization, and convolutional neural networks. 2023 , 79, 104234	1
170	ML-DSVM+: A meta-learning based deep SVM+ for computer-aided diagnosis. 2023 , 134, 109076	0
169	Deep Learning Approach for Classification and Interpretation of Autism Spectrum Disorder. 2022 ,	0
168	Deep Dynamic Effective Connectivity Estimation from Multivariate Time Series. 2022 ,	0
167	Multi-scale Convolutional Network for fMRI-Based Diagnosis of Autism Spectrum Disorder. 2022 ,	0
166	Brain disorder prediction with dynamic multivariate spatio-temporal features: Application to Alzheimer's disease and autism spectrum disorder. 14,	0
165	Assessing Multi-Site rs-fMRI-Based Connectomic Harmonization Using Information Theory. 2022 , 12, 1219	0
164	Key considerations for child and adolescent MRI data collection. 1,	0
163	Genetic heterogeneity shapes brain connectivity in psychiatry. 2022 ,	0
162	Aberrant dynamic minimal spanning tree parameters within default mode network in patients with autism spectrum disorder. 13,	0
161	Machine learning for autism spectrum disorder diagnosis using structural magnetic resonance imaging: Promising but challenging. 16,	1
160	Normative models for neuroimaging markers: Impact of model selection, sample size and evaluation criteria.	0

159	Project, toolkit, and database of neuroinformatics ecosystem: A summary of previous studies on Frontiers in Neuroinformatics 16,	0
158	A self-training deep neural network for early prediction of cognitive deficits in very preterm infants using brain functional connectome data. 2022 , 52, 2227-2240	4
157	Deep neural networks allow expert-level brain meningioma segmentation and present potential for improvement of clinical practice. 2022 , 12,	0
156	The atypical functional connectivity of Broca's area at multiple frequency bands in autism spectrum disorder.	0
155	An Open MRI Dataset For Multiscale Neuroscience. 2022 , 9,	1
154	Canonical and Replicable Multi-Scale Intrinsic Connectivity Networks in 100k+ Resting-State fMRI Datasets.	1
153	Bayesian Spatial Blind Source Separation via the Thresholded Gaussian Process. 1-34	0
152	Effects of data preprocessing on detecting autism in adults using web-based eye-tracking data. 1-9	1
151	Ventral temporal and posteromedial sulcal morphology in autism spectrum disorder.	0
150	Brain functional connectivity mirrors genetic pleiotropy in psychiatric conditions.	0
149	Transdiagnostic connectome signatures from resting-state fMRI predict individual-level intellectual capacity. 2022 , 12,	1
148	Cognitive theories of autism based on the interactions between brain functional networks. 16,	1
147	Literacy and Numeracy in Children on Autism Spectrum Disorder.	0
146	Improving the level of autism discrimination with augmented data by GraphRNN. 2022 , 150, 106141	0
145	Fast and scalable learning of sparse changes in high-dimensional graphical model structure. 2022 , 514, 39-57	0
144	Cortical thickness in brain imaging studies using FreeSurfer and CAT12: A matter of reproducibility. 2022 , 2, 100137	0
143	fMRI-S4: Learning Short- and Long-Range Dynamic fMRI Dependencies Using 1D Convolutions and State Space Models. 2022 , 158-168	0
142	A Survey on Deep Learning-Based Diffeomorphic Mapping. 2022 , 1-33	0

- 141 Predicting the long-term after-effects of rTMS in autism spectrum disorder using temporal variability analysis of scalp EEG. **2022**, 19, 056044 ○
- 140 The autism spectrum disorder risk gene NEXMIF alters hippocampal CA1 cellular and network dynamics. ○
- 139 Diagnosing Autism Spectrum Disorder Using Ensemble 3D-CNN: A Preliminary Study. **2022**, ○
- 138 Resting-State Functional MRI Adaptation with Attention Graph Convolution Network for Brain Disorder Identification. **2022**, 12, 1413 ○
- 137 Group-level comparison of brain connectivity networks. **2022**, 22, ○
- 136 Challenges for machine learning in clinical translation of big data imaging studies. **2022**, ○
- 135 Autism spectrum disorder analysis by using a 3D-ResNet-based approach. **2022**, ○
- 134 Towards 3D Deep Learning for neuropsychiatry: predicting Autism diagnosis using an interpretable Deep Learning pipeline applied to minimally processed structural MRI data. ○
- 133 Precision psychiatry requires disentangling disorder-specific variation: The case of ASD. **2022**, 12, ○
- 132 Accommodating site variation in neuroimaging data using normative and hierarchical Bayesian models. **2022**, 264, 119699 ○
- 131 MRI based composite parameter of multiple tissue types for improved patient-level hemispheric and regional level lateralization in pediatric epilepsy. **2022**, 94, 174-180 ○
- 130 BrainGB: A Benchmark for Brain Network Analysis with Graph Neural Networks. **2022**, 1-1 1
- 129 Deep Forest with Sparse Topological Feature Extraction and Hash Mapping for Brain Network Classification. **2022**, 161-174 ○
- 128 Mapping brain functional and structural abnormalities in autism spectrum disorder: moving toward precision treatment. **2022**, 2, 77-84 ○
- 127 Teoría de la Información y Armonización Multi-sitio de rs-fMRI. **2022**, ○
- 126 Coordinated cortical thickness alterations across six neurodevelopmental and psychiatric disorders. **2022**, 13, ○
- 125 Exploring interpretable graph convolutional networks for autism spectrum disorder diagnosis. ○
- 124 Abnormal amygdala functional connectivity and deep learning classification in multifrequency bands in autism spectrum disorder: A multisite functional magnetic resonance imaging study. ○

- 123 Amplitude of low frequency fluctuations during resting state fMRI in autistic children. ○
- 122 Dense attentive GAN-based one-class model for detection of autism and ADHD. **2022**, ○
- 121 A comprehensive survey of deep learning research on medical image analysis with focus on transfer learning. **2022**, ○
- 120 Altered global modular organization of intrinsic functional connectivity in autism arises from atypical node-level processing. ○
- 119 Through the looking glass: Deep interpretable dynamic directed connectivity in resting fMRI. **2022**, 264, 119737 ○
- 118 Abnormal gray matter structure in children and adolescents with high-functioning autism spectrum disorder. **2022**, 327, 111564 ○
- 117 Mental Disorders Prediction with Heterogeneous Graph Convolutional Network*. **2022**, ○
- 116 Compensation and conversation in autism: atypical connectivity supports typical behavior. ○
- 115 Dysregulated dynamic time-varying triple-network segregation in children with autism spectrum disorder. ○
- 114 Template-based graph registration network for boosting the diagnosis of brain connectivity disorders. **2022**, 102140 ○
- 113 Mesoscopic patterns of functional connectivity alterations in autism by contrast subgraphs. ○
- 112 Bayesian Image-on-Scalar Regression with a Spatial Global-Local Spike-and-Slab Prior. **2022**, -1, ○
- 111 DeepMNF: Deep Multimodal Neuroimaging Framework for Diagnosing Autism Spectrum Disorder. **2023**, 136, 102475 ○
- 110 BrainStat: A toolbox for brain-wide statistics and multimodal feature associations. **2023**, 266, 119807 ○
- 109 Similarity attention-based CNN for robust 3D medical image registration. **2023**, 81, 104403 1
- 108 A Skewed Loss Function for Correcting Predictive Bias in Brain Age Prediction. **2022**, 1-1 ○
- 107 Reduced homotopic interhemispheric connectivity in psychiatric disorders: evidence for both transdiagnostic and disorder specific features. **2022**, 2, 129-145 ○
- 106 Alterations in Cerebellar Microtubule Cytoskeletal Network in a ValproicAcid-Induced Rat Model of Autism Spectrum Disorders. **2022**, 10, 3031 2

105	Gabrb3 is required for the functional integration of pyramidal neuron subtypes in the somatosensory cortex. 2022,	0
104	The Link Between Autism and Sex-Related Neuroanatomy, and Associated Cognition and Gene Expression.	2
103	Anatomical Development of the Cerebellothalamic Tract in Embryonic Mice. 2022, 11, 3800	0
102	Review of Generative Adversarial Networks in mono- and cross-modal biomedical image registration. 16,	0
101	TIRESIA: An eXplainable Artificial Intelligence Platform for Predicting Developmental Toxicity.	0
100	The impact of quality control on cortical morphometry comparisons in autism.	0
99	An individual-level weighted artificial neural network method to improve the systematic bias in BrainAGE analysis.	0
98	Inter-individual heterogeneity of functional brain networks in children with autism spectrum disorder. 2022, 13,	0
97	A review of deep learning-based deformable medical image registration. 12,	0
96	Cortical thickness abnormalities in autism spectrum disorder.	0
95	Connectome-wide mega-analysis reveals robust patterns of atypical functional connectivity in autism. 2022,	0
94	Part-and-whole: A novel framework for deformable medical image registration.	0
93	Deriving a robust deep-learning model for subcortical brain segmentation by using a large-scale database: Preprocessing, reproducibility, and accuracy of volume estimation.	0
92	General psychopathology factor (p-factor) prediction using resting-state functional connectivity and a scanner-generalization neural network. 2022,	0
91	Technologies to support the diagnosis and/or treatment of Neurodevelopmental Disorders: A systematic review. 2022, 105021	0
90	DomainATM: Domain Adaptation Toolbox for Medical Data Analysis. 2023, 119863	0
89	Atypical local brain connectivity in pediatric autism spectrum disorder? A coordinate-based meta-analysis of regional homogeneity studies.	0
88	A functional MRI pre-processing and quality control protocol based on statistical parametric mapping (SPM) and MATLAB. 1,	0

- 87 Individual brain regulation as learned via neurofeedback is related to affective changes in adolescents with autism spectrum disorder. **2023**, 17, ○
- 86 Quality control in functional MRI studies with MRIQC and fMRIPrep. 1, ○
- 85 Potential dynamic regional brain biomarkers for early discrimination of autism and language development delay in toddlers. 16, ○
- 84 An insular cortex to lateral amygdala pathway in fear learning. ○
- 83 Autism Spectrum Disorder: Neurodevelopmental Risk Factors, Biological Mechanism, and Precision Therapy. **2023**, 24, 1819 2
- 82 Review of Progress in Diagnostic Studies of Autism Spectrum Disorder Using Neuroimaging. ○
- 81 Adaptive noise depression for functional brain network estimation. 13, ○
- 80 Domain Adaptation via Low Rank and Class Discriminative Representation for Autism Spectrum Disorder identification: A Multi-site fMRI Study. **2023**, 1-1 ○
- 79 Significant CC400 Functional Brain Parcellations Based LeNet5 Convolutional Neural Network for Autism Spectrum Disorder Detection. **2023**, 34-45 ○
- 78 Understanding the Role of Connectivity Dynamics of Resting-State Functional MRI in the Diagnosis of Autism Spectrum Disorder: A Comprehensive Study. **2023**, 10, 56 ○
- 77 BrainTGL: A dynamic graph representation learning model for brain network analysis. **2023**, 153, 106521 ○
- 76 Normative models for neuroimaging markers: Impact of model selection, sample size and evaluation criteria. **2023**, 268, 119864 ○
- 75 Mapping nonlinear brain dynamics by phase space embedding with fMRI data. **2023**, 82, 104521 ○
- 74 A critical role of brain network architecture in a continuum model of autism spectrum disorders spanning from healthy individuals with genetic liability to individuals with ASD. ○
- 73 BrainVGAE: End-to-End Graph Neural Networks for Noisy fMRI Dataset. **2022**, ○
- 72 Atypical Dynamics of Sub-Networks Predict Restricted Repetitive Patterns of Behaviors in Children with Autism Spectrum Disorder. **2022**, ○
- 71 Brain functional activity-based classification of autism spectrum disorder using an attention-based graph neural network combined with gene expression. ○
- 70 Altered cortical gyrification, sulcal depth, and fractal dimension in the autism spectrum disorder comorbid attention-deficit/hyperactivity disorder than the autism spectrum disorder. **2023**, 34, 93-101 ○

- 69 SQET: Squeeze and Excitation Transformer for High-accuracy Brain Age Estimation. **2022**, ○
- 68 A comprehensive study on atlas-based classification of autism spectrum disorder using functional connectivity features from resting-state functional magnetic resonance imaging. **2023**, 269-296 ○
- 67 Quality control practices in fMRI analysis: Philosophy, methods and examples using AFNI. 16, ○
- 66 Considering dynamic nature of the brain: the clinical importance of connectivity variability in machine learning classification and prediction. ○
- 65 Reading differences in eye-tracking data as a marker of high-functioning autism in adults and comparison to results from web-related tasks. **2023**, 63-79 ○
- 64 Excitatory/inhibitory imbalance in autism: the role of glutamate and GABA gene-sets in symptoms and cortical brain structure. **2023**, 13, ○
- 63 Altered default mode network causal connectivity patterns in autism spectrum disorder revealed by Liang information flow analysis. ○
- 62 Interaction between Functional Connectivity and Neural Excitability in Autism: A Novel Framework for Computational Modeling and Application to Biological Data. **2023**, 7, 14 ○
- 61 Inter-rater reliability of functional MRI data quality control assessments: A standardised protocol and practical guide using pyfMRIqc. 17, ○
- 60 Functional connectivity signatures of major depressive disorder: machine learning analysis of two multicenter neuroimaging studies. ○
- 59 Estimating uncertainty in read-out patterns: Application to controls-based denoising and voxel-based morphometry patterns in neurodegenerative and neuropsychiatric diseases. **2023**, 44, 2802-2814 ○
- 58 Disentangling disorder-specific variation is key for precision psychiatry in autism. 17, ○
- 57 Diverging asymmetry of intrinsic functional organization in autism. ○
- 56 SynthSeg: Segmentation of brain MRI scans of any contrast and resolution without retraining. **2023**, 86, 102789 ○
- 55 A revisit of the amygdala theory of autism: Twenty years after. **2023**, 183, 108519 ○
- 54 Hyper-convolutions via implicit kernels for medical image analysis. **2023**, 86, 102796 ○
- 53 Dynamic multi-site graph convolutional network for autism spectrum disorder identification. **2023**, 157, 106749 ○
- 52 Application of data harmonization and tract-based spatial statistics reveals white matter structural abnormalities in pediatric patients with focal cortical dysplasia. **2023**, 142, 109190 ○

- 51 Brief mock-scan training reduces head motion during real scanning for children: A growth curve study. **2023**, 61, 101244 ○
- 50 A classification framework for Autism Spectrum Disorder detection using sMRI: Optimizer based ensemble of deep convolution neural network with on-the-fly data augmentation. **2023**, 84, 104686 ○
- 49 A sex-dependent functional-effective connectivity model for diagnostic classification of Autism Spectrum Disorder using resting-state fMRI. **2023**, 85, 104837 ○
- 48 Multi-site diagnostic classification of Autism spectrum disorder using adversarial deep learning on resting-state fMRI. **2023**, 85, 104892 ○
- 47 An Exploration of Autism Spectrum Disorder Classification from Structural and Functional MRI Images. **2022**, 175-189 ○
- 46 Transforming medical imaging with Transformers? A comparative review of key properties, current progresses, and future perspectives. **2023**, 85, 102762 2
- 45 The Comparison of Quantitative Electroencephalography of Neural Connections between Children aged 6 to 13 years with Autism Spectrum Disorder and Typically Developing Children. **2021**, 9, 27-40 ○
- 44 Detection of autism spectrum disorder using graph representation learning algorithms and deep neural network, based on fMRI signals. 16, ○
- 43 CDKL5 sculpts functional callosal connectivity to promote cognitive flexibility. ○
- 42 Applications of Deep Learning to Neurodevelopment in Pediatric Imaging: Achievements and Challenges. **2023**, 13, 2302 ○
- 41 Atypical hemispheric lateralization of brain function and structure in autism: a comprehensive meta-analysis study. 1-12 ○
- 40 Multi-atlas Graph Convolutional Networks and Convolutional Recurrent Neural Networks-Based Ensemble Learning for Classification of Autism Spectrum Disorders. **2023**, 4, ○
- 39 Functional brain network alterations in the co-occurrence of autism spectrum disorder and attention deficit hyperactivity disorder. ○
- 38 Whole-brain structural connectome asymmetry in autism. ○
- 37 Neurobiological correlates and attenuated positive social intention attribution during laughter perception associated with degree of autistic traits. **2023**, 130, 585-596 ○
- 36 Internet gaming disorder and tobacco use disorder share neural connectivity patterns between the subcortical and the motor network. **2023**, 44, 2607-2619 ○
- 35 Demonstrating quality control procedures for fMRI in DPABI. 17, ○
- 34 Predicting Individual Traits From T1-weighted Anatomical MRI Using the Xception CNN Architecture. ○

- 33 The Neuroradiology of Autism: Framing Neuroimaging Investigations of the Autistic Brain Based on the US NIMH Research Domain Criteria. **2023**, 269-282 ○
- 32 Exploring the heterogeneity of brain structure in autism spectrum disorder based on individual structural covariance network. ○
- 31 A Survey on Deep Learning-Based Diffeomorphic Mapping. **2023**, 1289-1321 ○
- 30 Can deep learning predict human intelligence from structural brain MRI?. ○
- 29 Predicting Brainage in the Developmental Period using Structural MRI, Morphometric Similarity, and Machine Learning. ○
- 28 Identification of de novo Mutations in the Chinese Autism Spectrum Disorder Cohort via Whole-Exome Sequencing Unveils Brain Regions Implicated in Autism. ○
- 27 Deep multimodal fusion of image and non-image data in disease diagnosis and prognosis: a review. **2023**, 5, 022001 ○
- 26 Molecular and network-level mechanisms explaining individual differences in autism spectrum disorder. **2023**, 26, 650-663 ○
- 25 Identifying Replicable Subgroups in Neurodevelopmental Conditions Using Resting-State Functional Magnetic Resonance Imaging Data. **2023**, 6, e232066 ○
- 24 Quality control procedures and metrics for resting-state functional MRI. 2, ○
- 23 The Current Research Landscape on the Machine Learning Application in Autism Spectrum Disorder: A Bibliometric Analysis From 2012 to 2022 (Preprint). ○
- 22 Dual impact of PTEN mutation on CSF dynamics and cortical networks via the dysregulation of neural precursors and their interneuron descendants. ○
- 21 A Sparse Multi-Scale Convolutional Neural Network to Classify Functional Connectivity for Brain Disease Diagnosis. **2022**, ○
- 20 A Systematic Review on Federated Learning in Medical Image Analysis. **2023**, 11, 28628-28644 ○
- 19 Functional connectivity MRI quality control procedures in CONN. 17, ○
- 18 ImUnity: A generalizable VAE-GAN solution for multicenter MR image harmonization. **2023**, 102799 ○
- 17 Generalizable neuromarker for autism spectrum disorder across imaging sites and developmental stages: A multi-site study. ○
- 16 Extracting transition features among brain states based on coarse-grained similarity measurement for autism spectrum disorder analysis. ○

- 15 No difference in extra-axial cerebrospinal fluid volumes across neurodevelopmental and psychiatric conditions in later childhood and adolescence. **2023**, 15, ○
- 14 Atypical connectivity aids conversation in autism. **2023**, 13, ○
- 13 Assessment of Neuroanatomical Endophenotypes of Autism Spectrum Disorder and Association With Characteristics of Individuals With Schizophrenia and the General Population. ○
- 12 ASDC-Net: Optimized Convolutional Neural Network-Based Automatic Autism Spectrum Disorder Classification Using rs-fMRI Data. 1-14 ○
- 11 The Role of EEG Functional Connectivity Coupled with Eye Tracking in Early Diagnosis of Autism Spectrum Disorder. ○
- 10 Quantifying numerical and spatial reliability of hippocampal and amygdala subdivisions in FreeSurfer. **2023**, 10, ○
- 9 The Neuroanatomy of Poststroke Subjective Sensory Hypersensitivity. Publish Ahead of Print, ○
- 8 BrainNet with Connectivity Attention for Individualized Predictions Based on Multi-Facet Connections Extracted from Resting-State fMRI Data. ○
- 7 Denoising fMRI Message on Population Graph for Multi-site Disease Prediction. **2023**, 660-671 ○
- 6 A Deep Concatenated Convolutional Neural Network-Based Method to Classify Autism. **2023**, 446-458 ○
- 5 Microtubule Cytoskeletal Network Alterations in a Transgenic Model of Tuberous Sclerosis Complex: Relevance to Autism Spectrum Disorders. **2023**, 24, 7303 ○
- 4 Image harmonization: A review of statistical and deep learning methods for removing batch effects and evaluation metrics for effective harmonization. **2023**, 274, 120125 ○
- 3 Accurate corresponding fiber tract segmentation via FiberGeoMap learner with application to autism. ○
- 2 The neurogenetics of functional connectivity alterations in Autism: Insights from subtyping in 657 patients. **2023**, ○
- 1 Parsing the heterogeneity of brain-symptom associations in autism spectrum disorder via random forest with homogeneous canonical correlation. **2023**, 335, 36-43 ○