

Early brain development in infants at high risk for autism

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | What advances in fetal and newborn imaging have revealed. <i>Nature Medicine</i> , 2017, 23, 270-271. | 15.2 | 4 |
| 2 | Determinants of Advanced Bone Age in Childhood Obesity. <i>Hormone Research in Paediatrics</i> , 2017, 87, 254-263. | 0.8 | 37 |
| 3 | Autism spectrum disorder: neuropathology and animal models. <i>Acta Neuropathologica</i> , 2017, 134, 537-566. | 3.9 | 335 |
| 4 | Functional neuroimaging of high-risk 6-month-old infants predicts a diagnosis of autism at 24 months of age. <i>Science Translational Medicine</i> , 2017, 9, . | 5.8 | 264 |
| 5 | Cortical surface area hyperexpansion in infants: A promising biomarker for autism spectrum disorder. <i>Asian Journal of Psychiatry</i> , 2017, 27, 127-128. | 0.9 | 1 |
| 6 | Subcortical Brain and Behavior Phenotypes Differentiate Infants With Autism Versus Language Delay. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 664-672. | 1.1 | 71 |
| 7 | APC sets the Wnt tone necessary for cerebral cortical progenitor development. <i>Genes and Development</i> , 2017, 31, 1679-1692. | 2.7 | 27 |
| 8 | Inflexible neurobiological signatures precede atypical development in infants at high risk for autism. <i>Scientific Reports</i> , 2017, 7, 11285. | 1.6 | 24 |
| 9 | Multidimensional encoding of brain connectomes. <i>Scientific Reports</i> , 2017, 7, 11491. | 1.6 | 33 |
| 10 | Rapid and accurate intraoperative pathological diagnosis by artificial intelligence with deep learning technology. <i>Medical Hypotheses</i> , 2017, 107, 98-99. | 0.8 | 17 |
| 11 | Brain carnitine deficiency causes nonsyndromic autism with an extreme male bias: A hypothesis. <i>BioEssays</i> , 2017, 39, 1700012. | 1.2 | 35 |
| 12 | Early autism symptoms in infants with tuberous sclerosis complex. <i>Autism Research</i> , 2017, 10, 1981-1990. | 2.1 | 44 |
| 13 | Toward a conceptual framework for early brain and behavior development in autism. <i>Molecular Psychiatry</i> , 2017, 22, 1385-1394. | 4.1 | 112 |
| 14 | Facilitating Autism Research. <i>Journal of the International Neuropsychological Society</i> , 2017, 23, 903-915. | 1.2 | 16 |
| 15 | Radiomic analysis in prediction of Human Papilloma Virus status. <i>Clinical and Translational Radiation Oncology</i> , 2017, 7, 49-54. | 0.9 | 49 |
| 16 | Quicksilver: Fast predictive image registration – A deep learning approach. <i>NeuroImage</i> , 2017, 158, 378-396. | 2.1 | 444 |
| 17 | Charting a Course for Autism Biomarkers. <i>Biological Psychiatry</i> , 2017, 82, 155-156. | 0.7 | 13 |
| 18 | No evidence of early head circumference enlargements in children later diagnosed with autism in Israel. <i>Molecular Autism</i> , 2017, 8, 15. | 2.6 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Sexual dimorphism of AMBRA1-related autistic features in human and mouse. <i>Translational Psychiatry</i> , 2017, 7, e1247-e1247. | 2.4 | 32 |
| 20 | Brain scans spot early signs of autism in high-risk babies. <i>Nature</i> , 2017, , . | 13.7 | 0 |
| 21 | Insulin-Like Growth Factors in the Pathogenesis of Neurological Diseases in Children. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2056. | 1.8 | 24 |
| 22 | A Hypothesis of Autism Approached with the Nonlinear Model. <i>Proceedings (mdpi)</i> , 2017, 1, 74. | 0.2 | 0 |
| 23 | Effect of Neuroinflammation on Synaptic Organization and Function in the Developing Brain: Implications for Neurodevelopmental and Neurodegenerative Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 190. | 1.8 | 80 |
| 24 | Diagnosing Autism Spectrum Disorder from Brain Resting-State Functional Connectivity Patterns Using a Deep Neural Network with a Novel Feature Selection Method. <i>Frontiers in Neuroscience</i> , 2017, 11, 460. | 1.4 | 152 |
| 25 | Cross Talk: The Microbiota and Neurodevelopmental Disorders. <i>Frontiers in Neuroscience</i> , 2017, 11, 490. | 1.4 | 194 |
| 26 | Human Fetal Brain Connectome: Structural Network Development from Middle Fetal Stage to Birth. <i>Frontiers in Neuroscience</i> , 2017, 11, 561. | 1.4 | 52 |
| 27 | Structure-Function Analysis of the GlyR $\alpha 2$ Subunit Autism Mutation p.R323L Reveals a Gain-of-Function. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 158. | 1.4 | 28 |
| 28 | EEG power at 3 months in infants at high familial risk for autism. <i>Journal of Neurodevelopmental Disorders</i> , 2017, 9, 34. | 1.5 | 63 |
| 29 | Neuroimaging genomics in psychiatry—a translational approach. <i>Genome Medicine</i> , 2017, 9, 102. | 3.6 | 48 |
| 30 | No preliminary evidence of differences in astrocyte density within the white matter of the dorsolateral prefrontal cortex in autism. <i>Molecular Autism</i> , 2017, 8, 64. | 2.6 | 13 |
| 31 | Identification of mutations in the PI3K-AKT-mTOR signalling pathway in patients with macrocephaly and developmental delay and/or autism. <i>Molecular Autism</i> , 2017, 8, 66. | 2.6 | 85 |
| 32 | Recognition of early-onset schizophrenia using deep-learning method. <i>Applied Informatics</i> , 2017, 4, . | 0.5 | 24 |
| 33 | The Etiological Role of Microglia in Autism Spectrum Disorder: A Possible Route for Early Intervention. <i>American Journal of Immunology</i> , 2017, 13, 99-106. | 0.1 | 1 |
| 34 | Deep-learning-based classification of FDG-PET data for Alzheimer's disease categories. , 2017, 10572, . | | 28 |
| 35 | Prediction complements explanation in understanding the developing brain. <i>Nature Communications</i> , 2018, 9, 589. | 5.8 | 144 |
| 36 | Anatomy-guided joint tissue segmentation and topological correction for 6-month infant brain MRI with risk of autism. <i>Human Brain Mapping</i> , 2018, 39, 2609-2623. | 1.9 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Deconstructing autism: from unitary syndrome to contributory developmental endophenotypes. <i>International Review of Psychiatry</i> , 2018, 30, 18-24. | 1.4 | 51 |
| 38 | Leo Kanner and autism: a 75-year perspective. <i>International Review of Psychiatry</i> , 2018, 30, 3-17. | 1.4 | 40 |
| 39 | Modelling online user behavior for medical knowledge learning. <i>Industrial Management and Data Systems</i> , 2018, 118, 889-911. | 2.2 | 8 |
| 40 | RDoC-based categorization of amygdala functions and its implications in autism. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 115-129. | 2.9 | 26 |
| 41 | A prospective study of fetal head growth, autistic traits and autism spectrum disorder. <i>Autism Research</i> , 2018, 11, 602-612. | 2.1 | 21 |
| 42 | Click-evoked auditory brainstem responses and autism spectrum disorder: A meta-analytic review. <i>Autism Research</i> , 2018, 11, 916-927. | 2.1 | 22 |
| 43 | Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018, 84, 253-264. | 0.7 | 56 |
| 44 | Using Pattern Classification to Identify Brain Imaging Markers in Autism Spectrum Disorder. <i>Current Topics in Behavioral Neurosciences</i> , 2018, 40, 413-436. | 0.8 | 5 |
| 45 | Skeletal Growth Dysregulation in Australian Male Infants and Toddlers With Autism Spectrum Disorder. <i>Autism Research</i> , 2018, 11, 846-856. | 2.1 | 3 |
| 46 | Modeling autism in non-human primates: Opportunities and challenges. <i>Autism Research</i> , 2018, 11, 686-694. | 2.1 | 30 |
| 47 | The Paradox of Copy Number Variants in ASD and Schizophrenia: False Facts or False Hypotheses?. <i>Review Journal of Autism and Developmental Disorders</i> , 2018, 5, 199-207. | 2.2 | 3 |
| 48 | Imaging structural and functional brain development in early childhood. <i>Nature Reviews Neuroscience</i> , 2018, 19, 123-137. | 4.9 | 549 |
| 49 | The developing human connectome project: A minimal processing pipeline for neonatal cortical surface reconstruction. <i>NeuroImage</i> , 2018, 173, 88-112. | 2.1 | 315 |
| 50 | Nanodiamonds for In Vivo Applications. <i>Small</i> , 2018, 14, e1703838. | 5.2 | 138 |
| 51 | Reduced orienting to audiovisual synchrony in infancy predicts autism diagnosis at 3 years of age. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 872-880. | 3.1 | 73 |
| 52 | Developmental and behavioral alterations in zebrafish embryonically exposed to valproic acid (VPA): An aquatic model for autism. <i>Neurotoxicology and Teratology</i> , 2018, 66, 8-16. | 1.2 | 59 |
| 53 | What can autism teach us about the role of sensorimotor systems in higher cognition? New clues from studies on language, action semantics, and abstract emotional concept processing. <i>Cortex</i> , 2018, 100, 149-190. | 1.1 | 47 |
| 54 | In case you missed it: The <i>Prenatal Diagnosis</i> editors bring you the most significant advances of 2017. <i>Prenatal Diagnosis</i> , 2018, 38, 83-90. | 1.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Heart rate-defined sustained attention in infants at risk for autism. <i>Journal of Neurodevelopmental Disorders</i> , 2018, 10, 7. | 1.5 | 15 |
| 56 | Mind the prevalence rate: overestimating the clinical utility of psychiatric diagnostic classifiers. <i>Psychological Medicine</i> , 2018, 48, 1225-1227. | 2.7 | 13 |
| 57 | Artistsâ€™ Innocent Eye as Extended Proximal Mode of Vision. <i>Art and Perception</i> , 2018, 6, 1-40. | 0.6 | 5 |
| 58 | Explorations and perspectives on the neurobiological bases of autism spectrum disorder. <i>European Journal of Neuroscience</i> , 2018, 47, 488-496. | 1.2 | 6 |
| 59 | Interhemispheric alpha-band hypoconnectivity in children with autism spectrum disorder. <i>Behavioural Brain Research</i> , 2018, 348, 227-234. | 1.2 | 29 |
| 60 | Neonatal Transitions in Social Behavior and Their Implications for Autism. <i>Trends in Cognitive Sciences</i> , 2018, 22, 452-469. | 4.0 | 90 |
| 61 | Revisit of Machine Learning Supported Biological and Biomedical Studies. <i>Methods in Molecular Biology</i> , 2018, 1754, 183-204. | 0.4 | 2 |
| 62 | Dendritic structural plasticity and neuropsychiatric disease. <i>Nature Reviews Neuroscience</i> , 2018, 19, 215-234. | 4.9 | 344 |
| 63 | Visual Restoration after Cataract Surgery Promotes Functional and Structural Brain Recovery. <i>EBioMedicine</i> , 2018, 30, 52-61. | 2.7 | 33 |
| 64 | Multi-Site Diagnostic Classification of Schizophrenia Using Discriminant Deep Learning with Functional Connectivity MRI. <i>EBioMedicine</i> , 2018, 30, 74-85. | 2.7 | 206 |
| 65 | The Emerging Clinical Neuroscience of Autism Spectrum Disorder. <i>JAMA Psychiatry</i> , 2018, 75, 514. | 6.0 | 114 |
| 66 | The journey to autism: Insights from neuroimaging studies of infants and toddlers. <i>Development and Psychopathology</i> , 2018, 30, 479-495. | 1.4 | 100 |
| 67 | Smart pathological brain detection by synthetic minority oversampling technique, extreme learning machine, and Jaya algorithm. <i>Multimedia Tools and Applications</i> , 2018, 77, 22629-22648. | 2.6 | 79 |
| 68 | Multidimensional Neuroanatomical Subtyping of Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2018, 28, 3578-3588. | 1.6 | 91 |
| 69 | Processing of structural neuroimaging data in young children: Bridging the gap between current practice and state-of-the-art methods. <i>Developmental Cognitive Neuroscience</i> , 2018, 33, 206-223. | 1.9 | 50 |
| 70 | Loss of skills and onset patterns in neurodevelopmental disorders: Understanding the neurobiological mechanisms. <i>Autism Research</i> , 2018, 11, 212-222. | 2.1 | 25 |
| 71 | An Improved Pathological Brain Detection System Based on Two-Dimensional PCA and Evolutionary Extreme Learning Machine. <i>Journal of Medical Systems</i> , 2018, 42, 19. | 2.2 | 14 |
| 72 | Annual Research Review: Not just a small adult brain: understanding later neurodevelopment through imaging the neonatal brain. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2018, 59, 350-371. | 3.1 | 73 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Psychiatry in a Dish: Stem Cells and Brain Organoids Modeling Autism Spectrum Disorders. <i>Biological Psychiatry</i> , 2018, 83, 558-568. | 0.7 | 48 |
| 74 | Windows of opportunity: timing in neurodevelopmental disorders. <i>Current Opinion in Neurobiology</i> , 2018, 48, 59-63. | 2.0 | 19 |
| 75 | Advances in nonhuman primate models of autism: Integrating neuroscience and behavior. <i>Experimental Neurology</i> , 2018, 299, 252-265. | 2.0 | 56 |
| 76 | Multisite Schizophrenia Classification Based on Brainnetome Atlas by Deep Learning. , 2018, , . | | 4 |
| 78 | From Epiphenomenon to Biologically Important Phenomena. <i>Personality Neuroscience</i> , 2018, 1, e1. | 1.3 | 46 |
| 80 | Developmental changes of cortical whiteâ€gray contrast as predictors of autism diagnosis and severity. <i>Translational Psychiatry</i> , 2018, 8, 249. | 2.4 | 25 |
| 81 | Studying child development in genetic models of ASD. <i>Progress in Brain Research</i> , 2018, 241, 159-192. | 0.9 | 6 |
| 82 | Cerebrospinal fluid and the early brain development of autism. <i>Journal of Neurodevelopmental Disorders</i> , 2018, 10, 39. | 1.5 | 45 |
| 83 | Mapping alterations of gray matter volume and white matter integrity in children with autism spectrum disorder. <i>NeuroReport</i> , 2018, 29, 1188-1192. | 0.6 | 10 |
| 84 | Maternal and offspring methylenetetrahydrofolateâ€reductase genotypes interact in a mouse model to induce autism spectrum disorderâ€like behavior. <i>Genes, Brain and Behavior</i> , 2019, 18, e12547. | 1.1 | 17 |
| 85 | Identification of ASD Children based on Video Data. , 2018, , . | | 9 |
| 86 | Autism is a prenatal disorder: Evidence from late gestation brain overgrowth. <i>Autism Research</i> , 2018, 11, 1635-1642. | 2.1 | 50 |
| 87 | Insights from perceptual, sensory, and motor functioning in autism and cerebellar primary disturbances: Are there reliable markers for these disorders?. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 95, 263-279. | 2.9 | 14 |
| 88 | Lost in Translation: Traversing the Complex Path from Genomics to Therapeutics in Autism Spectrum Disorder. <i>Neuron</i> , 2018, 100, 406-423. | 3.8 | 98 |
| 89 | Neurodevelopmental Disorders Affecting Sociability: Recent Research Advances and Future Directions in Autism Spectrum Disorder and Williams Syndrome. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 94. | 2.0 | 29 |
| 90 | Evidence for Brainstem Contributions to Autism Spectrum Disorders. <i>Frontiers in Integrative Neuroscience</i> , 2018, 12, 47. | 1.0 | 44 |
| 91 | Development and Validation of Objective and Quantitative Eye Trackingâ€Based Measures of Autism Risk and Symptom Levels. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2018, 57, 858-866. | 0.3 | 47 |
| 92 | Using Human Induced Neural Precursor Cells to Define Early Neurodevelopmental Defects in Syndromic and Idiopathic Autism. <i>Current Pharmacology Reports</i> , 2018, 4, 422-435. | 1.5 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 93 | White matter endophenotypes and correlates for the clinical diagnosis of autism spectrum disorder. <i>Social Cognitive and Affective Neuroscience</i> , 2018, 13, 765-773. | 1.5 | 11 |
| 94 | Medicine and the rise of the robots: a qualitative review of recent advances of artificial intelligence in health. <i>BMJ Leader</i> , 2018, 2, 59-63. | 0.8 | 93 |
| 95 | Non-Euclidean, convolutional learning on cortical brain surfaces. , 2018, 2018, 527-530. | | 3 |
| 96 | A computational method for longitudinal mapping of orientation-specific expansion of cortical surface area in infants. , 2018, 2018, 683-686. | | 2 |
| 97 | Infant brain development prediction with latent partial multi-view representation learning. , 2018, 2018, 1048-1051. | | 2 |
| 98 | Antenatal ultrasound value in risk calculation for Autism Spectrum Disorder: A systematic review to support future research. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 92, 83-92. | 2.9 | 8 |
| 99 | Autism spectrum disorder: advances in diagnosis and evaluation. <i>BMJ: British Medical Journal</i> , 2018, 361, k1674. | 2.4 | 144 |
| 100 | Automated sub-cortical brain structure segmentation combining spatial and deep convolutional features. <i>Medical Image Analysis</i> , 2018, 48, 177-186. | 7.0 | 90 |
| 102 | OFF-responses of interneurons optimize avoidance behaviors depending on stimulus strength via electrical synapses. <i>PLoS Genetics</i> , 2018, 14, e1007477. | 1.5 | 15 |
| 103 | Autism spectrum disorder. <i>Lancet, The</i> , 2018, 392, 508-520. | 6.3 | 1,220 |
| 104 | A computational method for longitudinal mapping of orientation-specific expansion of cortical surface in infants. <i>Medical Image Analysis</i> , 2018, 49, 46-59. | 7.0 | 3 |
| 105 | The Physiology of Homeoprotein Transduction. <i>Physiological Reviews</i> , 2018, 98, 1943-1982. | 13.1 | 45 |
| 106 | Wnt Signaling and Its Impact on Mitochondrial and Cell Cycle Dynamics in Pluripotent Stem Cells. <i>Genes</i> , 2018, 9, 109. | 1.0 | 35 |
| 107 | Spontaneous brain activity and connectivity in female patients with temporomandibular joint synovitis pain: a pilot functional magnetic resonance imaging study. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2018, 126, 363-374. | 0.2 | 14 |
| 108 | Dysfunctional Autism Risk Genes Cause Circuit-Specific Connectivity Deficits With Distinct Developmental Trajectories. <i>Cerebral Cortex</i> , 2018, 28, 2495-2506. | 1.6 | 72 |
| 109 | Enhanced pupillary light reflex in infancy is associated with autism diagnosis in toddlerhood. <i>Nature Communications</i> , 2018, 9, 1678. | 5.8 | 101 |
| 110 | Deep learning applied to whole-brain connectome to determine seizure control after epilepsy surgery. <i>Epilepsia</i> , 2018, 59, 1643-1654. | 2.6 | 93 |
| 111 | Attenuation of long-range temporal correlations of neuronal oscillations in young children with autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2018, 20, 424-432. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 112 | Prenatal influenza vaccination rescues impairments of social behavior and lamination in a mouse model of autism. <i>Journal of Neuroinflammation</i> , 2018, 15, 228. | 3.1 | 30 |
| 113 | Atypical auditory language processing in adolescents with autism spectrum disorder. <i>Clinical Neurophysiology</i> , 2018, 129, 2029-2037. | 0.7 | 13 |
| 114 | Biomarkers in Autism Spectrum Disorder: Challenges, Advances, and the Need for Biomarkers of Relevance to Public Health. <i>Focus (American Psychiatric Publishing)</i> , 2018, 16, 135-142. | 0.4 | 16 |
| 115 | Neurobiology, not artifacts: Challenges and guidelines for imaging the high risk infant. <i>NeuroImage</i> , 2019, 185, 624-640. | 2.1 | 14 |
| 116 | Neuroanatomical Correlates of Advanced Paternal and Maternal Age at Birth in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2019, 29, 2524-2532. | 1.6 | 11 |
| 117 | Infant Motor Development in Autism Spectrum Disorder: A Synthesis and Meta-analysis. <i>Child Development</i> , 2019, 90, 2053-2070. | 1.7 | 63 |
| 118 | Local Cortical Gyrfication is Increased in Children With Autism Spectrum Disorders, but Decreases Rapidly in Adolescents. <i>Cerebral Cortex</i> , 2019, 29, 2412-2423. | 1.6 | 43 |
| 119 | Evaluating the Prediction of Brain Maturity From Functional Connectivity After Motion Artifact Denoising. <i>Cerebral Cortex</i> , 2019, 29, 2455-2469. | 1.6 | 73 |
| 120 | The ASD Living Biology: from cell proliferation to clinical phenotype. <i>Molecular Psychiatry</i> , 2019, 24, 88-107. | 4.1 | 210 |
| 121 | Heart rate mean and variability as a biomarker for phenotypic variation in preschoolers with autism spectrum disorder. <i>Autism Research</i> , 2019, 12, 39-52. | 2.1 | 23 |
| 122 | Resting-state functional MRI studies on infant brains: A decade of gap-filling efforts. <i>NeuroImage</i> , 2019, 185, 664-684. | 2.1 | 91 |
| 123 | What to Tell a Parent Who Worries a Young Child Has Autism. <i>JAMA Psychiatry</i> , 2019, 76, 1092. | 6.0 | 5 |
| 124 | Early patterns of functional brain development associated with autism spectrum disorder in tuberous sclerosis complex. <i>Autism Research</i> , 2019, 12, 1758-1773. | 2.1 | 29 |
| 125 | Surface-constrained volumetric registration for the early developing brain. <i>Medical Image Analysis</i> , 2019, 58, 101540. | 7.0 | 11 |
| 126 | Autism Spectrum Disorder Associated with Germline Heterozygous <i>PTEN</i> Mutations. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a037002. | 2.9 | 24 |
| 127 | Increased electroencephalography connectivity precedes epileptic spasm onset in infants with tuberous sclerosis complex. <i>Epilepsia</i> , 2019, 60, 1721-1732. | 2.6 | 37 |
| 128 | Functional Connectivities Are More Informative Than Anatomical Variables in Diagnostic Classification of Autism. <i>Brain Connectivity</i> , 2019, 9, 604-612. | 0.8 | 17 |
| 129 | From pattern classification to stratification: towards conceptualizing the heterogeneity of Autism Spectrum Disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 240-254. | 2.9 | 88 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 130 | EEG Spectral Power in Children with Autistic Spectrum Disorders: Heterogeneity of the Group. <i>Human Physiology</i> , 2019, 45, 242-248. | 0.1 | 4 |
| 131 | DeepScreening: a deep learning-based screening web server for accelerating drug discovery. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, . | 1.4 | 52 |
| 132 | Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , 2019, 203, 116155. | 2.1 | 9 |
| 133 | A TBR1-K228E Mutation Induces Tbr1 Upregulation, Altered Cortical Distribution of Interneurons, Increased Inhibitory Synaptic Transmission, and Autistic-Like Behavioral Deficits in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 241. | 1.4 | 25 |
| 134 | Growth trajectories and cluster features of the human fetal brain estimated by signal intensity from sBTFE sequence in utero MRI. <i>Chinese Journal of Academic Radiology</i> , 2019, 1, 63-73. | 0.4 | 0 |
| 135 | PASnet: A Joint Convolutional Neural Network for Noninvasive Renal Ultrasound Pathology Assessment. , 2019, , . | | 1 |
| 136 | Developmental topography of cortical thickness during infancy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15855-15860. | 3.3 | 82 |
| 137 | Predicting EGFR mutation status in lung adenocarcinoma on computed tomography image using deep learning. <i>European Respiratory Journal</i> , 2019, 53, 1800986. | 3.1 | 298 |
| 138 | Furinâ€Controlled Fe₃O₄ Nanoparticle Aggregation and ¹⁹F Signal â€œTurnâ€Onâ€for Precise MR Imaging of Tumors. <i>Advanced Functional Materials</i> , 2019, 29, 1903860. | 7.8 | 55 |
| 139 | Intergenerational Metabolic Syndrome and Neuronal Network Hyperexcitability in Autism. <i>Trends in Neurosciences</i> , 2019, 42, 709-726. | 4.2 | 25 |
| 140 | Longitudinal EEG power in the first postnatal year differentiates autism outcomes. <i>Nature Communications</i> , 2019, 10, 4188. | 5.8 | 97 |
| 141 | Circuits for social learning: A unified model and application to Autism Spectrum Disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 107, 388-398. | 2.9 | 40 |
| 142 | A framework for the investigation of rare genetic disorders in neuropsychiatry. <i>Nature Medicine</i> , 2019, 25, 1477-1487. | 15.2 | 90 |
| 143 | The Brain Basis of Comorbidity in Neurodevelopmental Disorders. <i>Current Developmental Disorders Reports</i> , 2019, 6, 9-18. | 0.9 | 6 |
| 144 | Topological Properties of Resting-State fMRI Functional Networks Improve Machine Learning-Based Autism Classification. <i>Frontiers in Neuroscience</i> , 2018, 12, 1018. | 1.4 | 77 |
| 145 | Pyramidal neuron growth and increased hippocampal volume during labor and birth in autism. <i>Science Advances</i> , 2019, 5, eaav0394. | 4.7 | 21 |
| 146 | Reduced frontal gamma power at 24 months is associated with better expressive language in toddlers at risk for autism. <i>Autism Research</i> , 2019, 12, 1211-1224. | 2.1 | 30 |
| 147 | Intellectual and developmental disabilities research centers: Fifty years of scientific accomplishments. <i>Annals of Neurology</i> , 2019, 86, 332-343. | 2.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 148 | Role of deep learning in infant brain MRI analysis. <i>Magnetic Resonance Imaging</i> , 2019, 64, 171-189. | 1.0 | 48 |
| 149 | Deep Learning and Multiplex Networks for Accurate Modeling of Brain Age. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 115. | 1.7 | 41 |
| 150 | The road map of cancer precision medicine with the innovation of advanced cancer detection technology and personalized immunotherapy. <i>Japanese Journal of Clinical Oncology</i> , 2019, 49, 596-603. | 0.6 | 10 |
| 151 | Eurosibs: Towards robust measurement of infant neurocognitive predictors of autism across Europe. , 2019, 57, 101316. | | 28 |
| 152 | The Heterogeneity Problem: Approaches to Identify Psychiatric Subtypes. <i>Trends in Cognitive Sciences</i> , 2019, 23, 584-601. | 4.0 | 229 |
| 153 | Gene Expression Data Based Deep Learning Model for Accurate Prediction of Drug-Induced Liver Injury in Advance. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3240-3250. | 2.5 | 24 |
| 154 | Commentary on "Changing conceptualizations of regression": Implications for clinical practice and research. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 103, 1-2. | 2.9 | 0 |
| 155 | Joint Attention in Infancy and the Emergence of Autism. <i>Biological Psychiatry</i> , 2019, 86, 631-638. | 0.7 | 80 |
| 156 | Trajectories of Posture Development in Infants With and Without Familial Risk for Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 3257-3277. | 1.7 | 31 |
| 157 | Abnormal axon guidance signals and reduced interhemispheric connection via anterior commissure in neonates of marmoset ASD model. <i>NeuroImage</i> , 2019, 195, 243-251. | 2.1 | 26 |
| 158 | Gaps in Current Autism Research: The Thoughts of the <i>Autism Research</i> Editorial Board and Associate Editors. <i>Autism Research</i> , 2019, 12, 700-714. | 2.1 | 28 |
| 159 | Multisensory Processing Differences in Individuals with Autism Spectrum Disorder. <i>Springer Handbook of Auditory Research</i> , 2019, , 243-272. | 0.3 | 2 |
| 160 | White matter connectomes at birth accurately predict cognitive abilities at age 2. <i>NeuroImage</i> , 2019, 192, 145-155. | 2.1 | 47 |
| 161 | Familial risk of autism alters subcortical and cerebellar brain anatomy in infants and predicts the emergence of repetitive behaviors in early childhood. <i>Autism Research</i> , 2019, 12, 614-627. | 2.1 | 30 |
| 162 | Atypical functional connectome hierarchy in autism. <i>Nature Communications</i> , 2019, 10, 1022. | 5.8 | 326 |
| 163 | Review of synthetic MRI in pediatric brains: Basic principle of MR quantification, its features, clinical applications, and limitations. <i>Journal of Neuroradiology</i> , 2019, 46, 268-275. | 0.6 | 39 |
| 164 | Normalization enhances brain network features that predict individual intelligence in children with epilepsy. <i>PLoS ONE</i> , 2019, 14, e0212901. | 1.1 | 12 |
| 165 | The Protracted Maturation of Associative Layer IIIC Pyramidal Neurons in the Human Prefrontal Cortex During Childhood: A Major Role in Cognitive Development and Selective Alteration in Autism. <i>Frontiers in Psychiatry</i> , 2019, 10, 122. | 1.3 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 166 | Mapping causal pathways from genetics to neuropsychiatric disorders using genome-wide imaging genetics: Current status and future directions. <i>Psychiatry and Clinical Neurosciences</i> , 2019, 73, 357-369. | 1.0 | 22 |
| 168 | Abnormal maturation of the resting-state peak alpha frequency in children with autism spectrum disorder. <i>Human Brain Mapping</i> , 2019, 40, 3288-3298. | 1.9 | 44 |
| 169 | Conexión neuronal en el trastorno del espectro autista. <i>Psiquiatría Biológica</i> , 2019, 26, 7-14. | 0.0 | 1 |
| 170 | Latent trajectories of adaptive behaviour in infants at high and low familial risk for autism spectrum disorder. <i>Molecular Autism</i> , 2019, 10, 13. | 2.6 | 17 |
| 171 | Global and regional white matter development in early childhood. <i>NeuroImage</i> , 2019, 196, 49-58. | 2.1 | 96 |
| 172 | Reviews on Biomarker Studies in Psychiatric and Neurodegenerative Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2019, , . | 0.8 | 6 |
| 173 | Benchmark on Automatic Six-Month-Old Infant Brain Segmentation Algorithms: The iSeg-2017 Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2219-2230. | 5.4 | 136 |
| 174 | E93 Integrates Neuroblast Intrinsic State with Developmental Time to Terminate MB Neurogenesis via Autophagy. <i>Current Biology</i> , 2019, 29, 750-762.e3. | 1.8 | 48 |
| 175 | Differential cortical microstructural maturation in the preterm human brain with diffusion kurtosis and tensor imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4681-4688. | 3.3 | 73 |
| 176 | Advances in Biomarker Studies in Autism Spectrum Disorders. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1118, 207-233. | 0.8 | 36 |
| 177 | Emerging biomarkers in autism spectrum disorder: a systematic review. <i>Annals of Translational Medicine</i> , 2019, 7, 792-792. | 0.7 | 99 |
| 178 | White matter as a monitoring biomarker for neurodevelopmental disorder intervention studies. <i>Journal of Neurodevelopmental Disorders</i> , 2019, 11, 33. | 1.5 | 24 |
| 179 | Drosophila Neural Stem Cells: A Primer for Understanding Mammalian Neural Development and Disease. , 2019, , 89-129. | | 1 |
| 180 | Brain Development Includes Linear and Multiple Nonlinear Trajectories: A Cross-Sectional Resting-State Functional Magnetic Resonance Imaging Study. <i>Brain Connectivity</i> , 2019, 9, 777-788. | 0.8 | 19 |
| 181 | A 3D Deep Residual Convolutional Neural Network for Differential Diagnosis of Parkinsonian Syndromes on ¹⁸ F-FDG PET Images. , 2019, 2019, 3531-3534. | | 14 |
| 182 | Deviation from normative brain development is associated with symptom severity in autism spectrum disorder. <i>Molecular Autism</i> , 2019, 10, 46. | 2.6 | 24 |
| 183 | Assessment of Childhood Neurodevelopmental Disorders. , 2019, , 293-307. | | 0 |
| 184 | Predictive impact of rare genomic copy number variations in siblings of individuals with autism spectrum disorders. <i>Nature Communications</i> , 2019, 10, 5519. | 5.8 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 185 | A Multichannel 2D Convolutional Neural Network Model for Task-Evoked fMRI Data Classification. Computational Intelligence and Neuroscience, 2019, 2019, 1-9. | 1.1 | 24 |
| 186 | Amino Acid Dysregulation Metabotypes: Potential Biomarkers for Diagnosis and Individualized Treatment for Subtypes of Autism Spectrum Disorder. Biological Psychiatry, 2019, 85, 345-354. | 0.7 | 111 |
| 187 | Impaired Cerebellar Development in Mice Overexpressing VGF. Neurochemical Research, 2019, 44, 374-387. | 1.6 | 9 |
| 188 | Infant motor skill predicts later expressive language and autism spectrum disorder diagnosis. , 2019, 54, 37-47. | | 106 |
| 189 | Diagnosing Autism Spectrum Disorder in Children with Low Mental Age. Journal of Autism and Developmental Disorders, 2019, 49, 1080-1095. | 1.7 | 28 |
| 190 | Autism spectrum disorders: autistic phenotypes and complicated mechanisms. World Journal of Pediatrics, 2019, 15, 17-25. | 0.8 | 12 |
| 191 | Pathological priming causes developmental gene network heterochronicity in autistic subject-derived neurons. Nature Neuroscience, 2019, 22, 243-255. | 7.1 | 209 |
| 192 | Individual variation in longitudinal postnatal development of the primate brain. Brain Structure and Function, 2019, 224, 1185-1201. | 1.2 | 8 |
| 193 | IGF â€œ Autism prevention/amelioration. Medical Hypotheses, 2019, 122, 45-47. | 0.8 | 13 |
| 194 | Early behavioral indices of inherited liability to autism. Pediatric Research, 2019, 85, 127-133. | 1.1 | 13 |
| 195 | Extreme male developmental trajectories of homotopic brain connectivity in autism. Human Brain Mapping, 2019, 40, 987-1000. | 1.9 | 33 |
| 196 | Infant Brain Development Prediction With Latent Partial Multi-View Representation Learning. IEEE Transactions on Medical Imaging, 2019, 38, 909-918. | 5.4 | 17 |
| 197 | Some difficulties behind the concept of the â€œExtreme male brainâ€™™ in autism research. A theoretical review. Research in Autism Spectrum Disorders, 2019, 57, 19-27. | 0.8 | 20 |
| 198 | Restricted and Repetitive Behavior and Brain Functional Connectivity in Infants at Risk for Developing Autism Spectrum Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 50-61. | 1.1 | 53 |
| 199 | The Neuroanatomy of Autism Spectrum Disorder Symptomatology in 22q11.2 Deletion Syndrome. Cerebral Cortex, 2019, 29, 3655-3665. | 1.6 | 8 |
| 200 | Computational neuroanatomy of baby brains: A review. NeuroImage, 2019, 185, 906-925. | 2.1 | 125 |
| 201 | The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905. | 2.1 | 234 |
| 202 | The potential role of insulin-like growth factor-1 and zinc in brain growth of autism spectrum disorder children. Autism, 2019, 23, 267-268. | 2.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 203 | Synaptic and transcriptionally downregulated genes are associated with cortical thickness differences in autism. <i>Molecular Psychiatry</i> , 2019, 24, 1053-1064. | 4.1 | 135 |
| 204 | Delineation of early brain development from fetuses to infants with diffusion MRI and beyond. <i>NeuroImage</i> , 2019, 185, 836-850. | 2.1 | 170 |
| 205 | A review on neuroimaging studies of genetic and environmental influences on early brain development. <i>NeuroImage</i> , 2019, 185, 802-812. | 2.1 | 42 |
| 206 | Multi-task prediction of infant cognitive scores from longitudinal incomplete neuroimaging data. <i>NeuroImage</i> , 2019, 185, 783-792. | 2.1 | 24 |
| 207 | Characterizing vulnerable brain areas and circuits in mouse models of autism: Towards understanding pathogenesis and new therapeutic approaches. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 110, 77-91. | 2.9 | 15 |
| 208 | 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. | 4.1 | 141 |
| 209 | Development of attention from birth to 5 months in infants at risk for autism spectrum disorder. <i>Development and Psychopathology</i> , 2020, 32, 491-501. | 1.4 | 27 |
| 210 | The role of marine omega-3 in human neurodevelopment, including Autism Spectrum Disorders and Attention-Deficit/Hyperactivity Disorder – a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 1431-1446. | 5.4 | 48 |
| 211 | Estimating risk of severe neonatal morbidity in preterm births under 32 weeks of gestation. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 73-80. | 0.7 | 30 |
| 212 | Developmental Trajectories of Infants With Multiplex Family Risk for Autism. <i>JAMA Neurology</i> , 2020, 77, 73. | 4.5 | 30 |
| 213 | Parents'™ experiences from participating in an infant sibling study of autism spectrum disorder. <i>Research in Autism Spectrum Disorders</i> , 2020, 69, 101454. | 0.8 | 6 |
| 214 | Autism Symptoms Modulate Interpersonal Neural Synchronization in Children with Autism Spectrum Disorder in Cooperative Interactions. <i>Brain Topography</i> , 2020, 33, 112-122. | 0.8 | 53 |
| 215 | Adolescent-Specific Motivation Deficits in Autism Versus Typical Development. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 364-372. | 1.7 | 6 |
| 216 | Language regression is associated with faster early motor development in children with autism spectrum disorder. <i>Autism Research</i> , 2020, 13, 145-156. | 2.1 | 8 |
| 217 | Cortical Structure and Cognition in Infants and Toddlers. <i>Cerebral Cortex</i> , 2020, 30, 786-800. | 1.6 | 25 |
| 219 | Polygenic Risk Scores for Developmental Disorders, Neuromotor Functioning During Infancy, and Autistic Traits in Childhood. <i>Biological Psychiatry</i> , 2020, 87, 132-138. | 0.7 | 27 |
| 220 | Neuropsychiatric ‘Comorbidity’ as Causal Influence in Autism. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020, 59, 229-235. | 0.3 | 21 |
| 221 | Research Review: Do parent ratings of infant negative emotionality and self-regulation predict psychopathology in childhood and adolescence? A systematic review and meta-analysis of prospective longitudinal studies. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2020, 61, 401-416. | 3.1 | 60 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 222 | Genetic and Environmental Influences on Lobar Brain Structures in Twins With Autism. <i>Cerebral Cortex</i> , 2020, 30, 1946-1956. | 1.6 | 6 |
| 223 | Autism spectrum disorder: definition, epidemiology, causes, and clinical evaluation. <i>Translational Pediatrics</i> , 2020, 9, S55-S65. | 0.5 | 318 |
| 224 | The Neurodevelopment of Autism from Infancy Through Toddlerhood. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 97-114. | 0.5 | 33 |
| 225 | Deep neural networks. , 2020, , 157-172. | | 7 |
| 226 | Biomarkers in autism spectrum disorders: Current progress. <i>Clinica Chimica Acta</i> , 2020, 502, 41-54. | 0.5 | 71 |
| 227 | Improved prediction of brain age using multimodal neuroimaging data. <i>Human Brain Mapping</i> , 2020, 41, 1626-1643. | 1.9 | 89 |
| 228 | Identification, Evaluation, and Management of Children With Autism Spectrum Disorder. <i>Pediatrics</i> , 2020, 145, . | 1.0 | 621 |
| 229 | Magnetic Resonance Imaging and Micro-Computed Tomography reveal brain morphological abnormalities in a mouse model of early moderate prenatal ethanol exposure. <i>Neurotoxicology and Teratology</i> , 2020, 77, 106849. | 1.2 | 3 |
| 230 | Use of Longitudinal EEG Measures in Estimating Language Development in Infants With and Without Familial Risk for Autism Spectrum Disorder. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2020, 1, 33-53. | 1.7 | 27 |
| 231 | Brief Report: Preliminary Feasibility of the TEDI: A Novel Parent-Administered Telehealth Assessment for Autism Spectrum Disorder Symptoms in the First Year of Life. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 3432-3439. | 1.7 | 34 |
| 232 | Characterizing autism spectrum disorder by deep learning spontaneous brain activity from functional near-infrared spectroscopy. <i>Journal of Neuroscience Methods</i> , 2020, 331, 108538. | 1.3 | 39 |
| 233 | Functional Overlaps Exist in Neurological and Psychiatric Disorders: A Proof from Brain Network Analysis. <i>Neuroscience</i> , 2020, 425, 39-48. | 1.1 | 12 |
| 234 | “œlf He Has it, We Know What to Do” Parent Perspectives on Familial Risk for Autism Spectrum Disorder. <i>Journal of Pediatric Psychology</i> , 2020, 45, 121-130. | 1.1 | 14 |
| 235 | fMRI volume classification using a 3D convolutional neural network robust to shifted and scaled neuronal activations. <i>NeuroImage</i> , 2020, 223, 117328. | 2.1 | 17 |
| 236 | Medical Ultrasound, and Preterm, Perinatal and Paediatric Image Analysis. <i>Lecture Notes in Computer Science</i> , 2020, , . | 1.0 | 2 |
| 237 | Troubles de la communication sociale chez les enfants de moins de 2 ans. <i>Neuropsychiatrie De L'Enfance Et De L'Adolescence</i> , 2020, 68, 1S4-1S6. | 0.1 | 0 |
| 238 | A Survey on Deep Learning for Neuroimaging-Based Brain Disorder Analysis. <i>Frontiers in Neuroscience</i> , 2020, 14, 779. | 1.4 | 111 |
| 239 | Neural correlates of polygenic risk score for autism spectrum disorders in general population. <i>Brain Communications</i> , 2020, 2, fcaa092. | 1.5 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 240 | Regulation of autism-relevant behaviors by cerebellarâ€“prefrontal cortical circuits. <i>Nature Neuroscience</i> , 2020, 23, 1102-1110. | 7.1 | 149 |
| 241 | Cerebral organoids as tools to identify the developmental roots of autism. <i>Molecular Autism</i> , 2020, 11, 58. | 2.6 | 34 |
| 242 | Individual Variation of Human Cortical Structure Is Established in the First Year of Life. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 971-980. | 1.1 | 11 |
| 243 | Linking Autism Risk Genes to Disruption of Cortical Development. <i>Cells</i> , 2020, 9, 2500. | 1.8 | 17 |
| 244 | Local-global processing approaches in older autistic adults: A matched control study using RCFT and WAIS-IV. <i>Research in Autism Spectrum Disorders</i> , 2020, 78, 101655. | 0.8 | 3 |
| 245 | Longitudinal Evaluation of Cerebral Growth Across Childhood in Boys and Girls With Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2021, 90, 286-294. | 0.7 | 33 |
| 246 | Neurological evaluation and management of autism spectrum disorder. , 2020, , 333-347. | | 0 |
| 247 | Infant Physical Growth. , 2020, , 40-69. | | 0 |
| 248 | Dynamic Epigenetic Impact of the Environment on the Developing Brain. , 2020, , 70-93. | | 0 |
| 249 | Brain Development in Infants. , 2020, , 94-127. | | 5 |
| 250 | Visual Development. , 2020, , 157-185. | | 0 |
| 251 | Infantsâ€™ Perception of Auditory Patterns. , 2020, , 214-237. | | 1 |
| 252 | Action in Development. , 2020, , 469-494. | | 5 |
| 253 | The Mirror Neuron System and Social Cognition. , 2020, , 495-519. | | 1 |
| 254 | Infant Word Learning and Emerging Syntax. , 2020, , 632-660. | | 0 |
| 255 | Dual Language Exposure and Early Learning. , 2020, , 661-684. | | 0 |
| 256 | Understanding and Evaluating the Moral World in Infancy. , 2020, , 777-804. | | 3 |
| 257 | A Novel Method for High-Dimensional Anatomical Mapping of Extra-Axial Cerebrospinal Fluid: Application to the Infant Brain. <i>Frontiers in Neuroscience</i> , 2020, 14, 561556. | 1.4 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 258 | Embodied Brain Model for Understanding Functional Neural Development of Fetuses and Infants. , 2020, , 3-39. | | 0 |
| 259 | Future Directions for Infant Identification and Intervention for Autism Spectrum Disorder from a Transdiagnostic Perspective. <i>Journal of Clinical Child and Adolescent Psychology</i> , 2020, 49, 688-700. | 2.2 | 18 |
| 260 | Oxidative stress, metabolic and mitochondrial abnormalities associated with autism spectrum disorder. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 173, 331-354. | 0.9 | 14 |
| 261 | Bringing the Laboratory Home: PANDABox Telehealth-Based Assessment of Neurodevelopmental Risk in Children. <i>Frontiers in Psychology</i> , 2020, 11, 1634. | 1.1 | 14 |
| 262 | Common genetic risk variants identified in the SPARK cohort support DDHD2 as a candidate risk gene for autism. <i>Translational Psychiatry</i> , 2020, 10, 265. | 2.4 | 56 |
| 263 | Emerging atypicalities in functional connectivity of language-related networks in young infants at high familial risk for ASD. <i>Developmental Cognitive Neuroscience</i> , 2020, 45, 100814. | 1.9 | 18 |
| 264 | Big data approaches to develop a comprehensive and accurate tool aimed at improving autism spectrum disorder diagnosis and subtype stratification. <i>Library Hi Tech</i> , 2020, 38, 819-833. | 3.7 | 1 |
| 265 | Factors Associated With Seizure Onset in Children With Autism Spectrum Disorder. <i>Pediatrics</i> , 2020, 145, S117-S125. | 1.0 | 6 |
| 266 | Differential access to neuropsychological evaluation in children with perinatal complications or autism spectrum disorder: Impact of sociodemographic factors. <i>Clinical Neuropsychologist</i> , 2021, 35, 988-1008. | 1.5 | 4 |
| 267 | Early behavioral profiles elucidating vulnerability and resiliency to later ASD outcomes. <i>Development and Psychopathology</i> , 2020, 32, 1217-1229. | 1.4 | 3 |
| 268 | Affording autism an early brain development re-definition. <i>Development and Psychopathology</i> , 2020, 32, 1175-1189. | 1.4 | 30 |
| 269 | Nutritional Status and Symptoms in Preschool Children With Autism Spectrum Disorder: A Two-Center Comparative Study in Chongqing and Hainan Province, China. <i>Frontiers in Pediatrics</i> , 2020, 8, 469. | 0.9 | 29 |
| 270 | The influence of choline treatment on behavioral and neurochemical autistic-like phenotype in Mthfr-deficient mice. <i>Translational Psychiatry</i> , 2020, 10, 316. | 2.4 | 20 |
| 271 | Population Neuroscience. <i>Mental Health and Illness Worldwide</i> , 2020, , 117-138. | 0.1 | 1 |
| 272 | The role of caregiver speech in supporting language development in infants and toddlers with autism spectrum disorder. <i>Development and Psychopathology</i> , 2020, 32, 1230-1239. | 1.4 | 19 |
| 273 | Ceramic resonators for targeted clinical magnetic resonance imaging of the breast. <i>Nature Communications</i> , 2020, 11, 3840. | 5.8 | 29 |
| 274 | Developmental exposure to diesel exhaust upregulates transcription factor expression, decreases hippocampal neurogenesis, and alters cortical lamina organization: relevance to neurodevelopmental disorders. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 41. | 1.5 | 7 |
| 275 | The Autism Palette: Combinations of Impairments Explain the Heterogeneity in ASD. <i>Frontiers in Psychiatry</i> , 2020, 11, 503462. | 1.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 276 | Early maturation of the social brain: How brain development provides a platform for the acquisition of social-cognitive competence. <i>Progress in Brain Research</i> , 2020, 254, 49-70. | 0.9 | 8 |
| 277 | The Development of Touch Perception and Body Representation. , 2020, , 238-262. | | 0 |
| 278 | Infant Physical Knowledge. , 2020, , 363-380. | | 0 |
| 279 | Infant Categorization. , 2020, , 381-409. | | 0 |
| 280 | The Infant's Visual World. , 2020, , 549-576. | | 0 |
| 281 | Infant Speech Perception. , 2020, , 579-601. | | 0 |
| 282 | Infant Vocal Learning and Speech Production. , 2020, , 602-631. | | 2 |
| 283 | Infant Emotion Development and Temperament. , 2020, , 715-741. | | 3 |
| 285 | Infant Memory. , 2020, , 341-362. | | 0 |
| 286 | Infant Attachment (to Mother and Father) and Its Place in Human Development. , 2020, , 687-714. | | 5 |
| 287 | Infant Emotional Development. , 2020, , 742-776. | | 3 |
| 288 | Cross-Cultural Perspectives on Parent-Infant Interactions. , 2020, , 805-832. | | 3 |
| 289 | Infant Object Manipulation and Play. , 2020, , 520-548. | | 3 |
| 290 | Phenoscreening: a developmental approach to research domain criteria-motivated sampling. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 884-894. | 3.1 | 5 |
| 291 | Infant Visual Attention. , 2020, , 186-213. | | 0 |
| 292 | The Development of Infant Feeding. , 2020, , 263-302. | | 2 |
| 293 | The Development of Multisensory Attention Skills. , 2020, , 303-338. | | 5 |
| 294 | Early Knowledge About Space and Quantity. , 2020, , 410-434. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 295 | Genetic and environmental influences on corticostriatal circuits in twins with autism. <i>Journal of Psychiatry and Neuroscience</i> , 2020, 45, 188-197. | 1.4 | 11 |
| 296 | Predicting Autism in Infancy. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 958-967. | 0.3 | 15 |
| 297 | Towards a Data-Driven Approach to Screen for Autism Risk at 12 Months of Age. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 968-977. | 0.3 | 9 |
| 298 | Development During Infancy in Children Later Diagnosed with Autism Spectrum Disorder. , 2020, , 128-154. | | 0 |
| 300 | Alterations in Local Connectivity and Their Developmental Trajectories in Autism Spectrum Disorder: Does Being Female Matter?. <i>Cerebral Cortex</i> , 2020, 30, 5166-5179. | 1.6 | 18 |
| 301 | Age-related differences in white matter diffusion measures in autism spectrum condition. <i>Molecular Autism</i> , 2020, 11, 36. | 2.6 | 17 |
| 302 | Sleep Onset Problems and Subcortical Development in Infants Later Diagnosed With Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2020, 177, 518-525. | 4.0 | 52 |
| 303 | Infants Show Physiological Responses Specific to Parental Hugs. <i>IScience</i> , 2020, 23, 100996. | 1.9 | 8 |
| 304 | Integrating Convolutional Neural Networks and Multi-Task Dictionary Learning for Cognitive Decline Prediction with Longitudinal Images. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 971-992. | 1.2 | 9 |
| 305 | Autism spectrum disorder risk prediction: A systematic review of behavioral and neural investigations. <i>Progress in Molecular Biology and Translational Science</i> , 2020, 173, 91-137. | 0.9 | 7 |
| 306 | Braided Networks for Scan-Aware MRI Brain Tissue Segmentation. , 2020, , . | | 0 |
| 307 | <i>Neuroscience Research Methods</i> . , 2020, , 411-419. | | 0 |
| 308 | Generalizable, Reproducible, and Neuroscientifically Interpretable Imaging Biomarkers for Alzheimer's Disease. <i>Advanced Science</i> , 2020, 7, 2000675. | 5.6 | 53 |
| 309 | Postmortem Studies of Neuroinflammation in Autism Spectrum Disorder: a Systematic Review. <i>Molecular Neurobiology</i> , 2020, 57, 3424-3438. | 1.9 | 31 |
| 310 | Regulatory landscape in brain development and disease. <i>Current Opinion in Genetics and Development</i> , 2020, 65, 53-60. | 1.5 | 6 |
| 311 | Identifying Arguments of Space-Time Fractional Diffusion: Data-Driven Approach. <i>Frontiers in Applied Mathematics and Statistics</i> , 2020, 6, . | 0.7 | 9 |
| 312 | Evidence against the "normalization" prediction of the early brain overgrowth hypothesis of autism. <i>Molecular Autism</i> , 2020, 11, 51. | 2.6 | 16 |
| 313 | Towards a Multivariate Biomarker-Based Diagnosis of Autism Spectrum Disorder: Review and Discussion of Recent Advancements. <i>Seminars in Pediatric Neurology</i> , 2020, 34, 100803. | 1.0 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 314 | Alterations of functional connectivities associated with autism spectrum disorder symptom severity: a multi-site study using multivariate pattern analysis. <i>Scientific Reports</i> , 2020, 10, 4330. | 1.6 | 13 |
| 315 | Cost-Effectiveness of MRI-Based Identification of Presymptomatic Autism in a High-Risk Population. <i>Frontiers in Psychiatry</i> , 2020, 11, 60. | 1.3 | 6 |
| 316 | Electrophysiological signatures of visual statistical learning in 3-month-old infants at familial and low risk for autism spectrum disorder. <i>Developmental Psychobiology</i> , 2020, 62, 858-870. | 0.9 | 8 |
| 317 | Comparative meta-analyses of brain structural and functional abnormalities during cognitive control in attention-deficit/hyperactivity disorder and autism spectrum disorder. <i>Psychological Medicine</i> , 2020, 50, 894-919. | 2.7 | 138 |
| 318 | Linking risk factors and outcomes in autism spectrum disorder: is there evidence for resilience?. <i>BMJ, The</i> , 2020, 368, l6880. | 3.0 | 45 |
| 319 | Siamese Verification Framework for Autism Identification During Infancy Using Cortical Path Signature Features. , 2020, 2020, . | | 3 |
| 320 | MVPANI: A Toolkit With Friendly Graphical User Interface for Multivariate Pattern Analysis of Neuroimaging Data. <i>Frontiers in Neuroscience</i> , 2020, 14, 545. | 1.4 | 31 |
| 321 | Data sharing and privacy issues in neuroimaging research: Opportunities, obstacles, challenges, and monsters under the bed. <i>Human Brain Mapping</i> , 2022, 43, 278-291. | 1.9 | 70 |
| 322 | Hidden Markov Models to Estimate the Probability of Having Autistic Children. <i>IEEE Access</i> , 2020, 8, 99540-99551. | 2.6 | 6 |
| 323 | Cortical signatures in behaviorally clustered autistic traits subgroups: a population-based study. <i>Translational Psychiatry</i> , 2020, 10, 207. | 2.4 | 8 |
| 324 | A Multiplex Human Pluripotent Stem Cell Platform Defines Molecular and Functional Subclasses of Autism-Related Genes. <i>Cell Stem Cell</i> , 2020, 27, 35-49.e6. | 5.2 | 56 |
| 325 | Automatic identification of myopia based on ocular appearance images using deep learning. <i>Annals of Translational Medicine</i> , 2020, 8, 705-705. | 0.7 | 23 |
| 326 | Quantitative trait variation in ASD probands and toddler sibling outcomes at 24-months. <i>Journal of Neurodevelopmental Disorders</i> , 2020, 12, 5. | 1.5 | 18 |
| 327 | Artificial intelligence in pediatrics. <i>Chinese Medical Journal</i> , 2020, 133, 358-360. | 0.9 | 10 |
| 328 | Ŧ-Net: Stacking Densely Convolutional LSTMs for Sub-Cortical Brain Structure Segmentation. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 2806-2817. | 5.4 | 22 |
| 329 | Cerebral organoid and mouse models reveal a RAB39b-PI3K-mTOR pathway-dependent dysregulation of cortical development leading to macrocephaly/autism phenotypes. <i>Genes and Development</i> , 2020, 34, 580-597. | 2.7 | 105 |
| 330 | Serotonin in cortical development: implications for autism spectrum disorder. <i>Handbook of Behavioral Neuroscience</i> , 2020, 31, 901-922. | 0.7 | 0 |
| 331 | Autism spectrum disorder. <i>Nature Reviews Disease Primers</i> , 2020, 6, 5. | 18.1 | 746 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 332 | Serotonin and development. Handbook of Behavioral Neuroscience, 2020, 31, 413-435. | 0.7 | 6 |
| 333 | Commentary: Parent Perspective on Familial Risk for Autism Spectrum Disorder. Journal of Pediatric Psychology, 2020, 45, 131-132. | 1.1 | 0 |
| 334 | Comparative Analysis of Autism Spectrum Disorders and Schizophrenia in Childhood. Human Physiology, 2020, 46, 94-103. | 0.1 | 0 |
| 335 | Prenatal Origins of ASD: The When, What, and How of ASD Development. Trends in Neurosciences, 2020, 43, 326-342. | 4.2 | 100 |
| 336 | Association of Early-Life Social and Digital Media Experiences With Development of Autism Spectrum Disorder—Like Symptoms. JAMA Pediatrics, 2020, 174, 690. | 3.3 | 45 |
| 337 | Human in vitro models for understanding mechanisms of autism spectrum disorder. Molecular Autism, 2020, 11, 26. | 2.6 | 18 |
| 338 | Network Structure Analysis Identifying Key Genes of Autism and Its Mechanism. Computational and Mathematical Methods in Medicine, 2020, 2020, 1-9. | 0.7 | 6 |
| 339 | Ribosomal protein genes in post-mortem cortical tissue and iPSC-derived neural progenitor cells are commonly upregulated in expression in autism. Molecular Psychiatry, 2021, 26, 1432-1435. | 4.1 | 16 |
| 340 | Screening for Behavioral Signs of Autism Spectrum Disorder in 9-Month-Old Infant Siblings. Journal of Autism and Developmental Disorders, 2021, 51, 839-848. | 1.7 | 14 |
| 341 | Neuroimaging Markers of Risk and Pathways to Resilience in Autism Spectrum Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 200-210. | 1.1 | 7 |
| 342 | Autism spectrum disorder in India: a scoping review. International Review of Psychiatry, 2021, 33, 81-112. | 1.4 | 25 |
| 343 | Context-Specific Dyadic Attention Vulnerabilities During the First Year in Infants Later Developing Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 166-175. | 0.3 | 29 |
| 344 | Leveraging large genomic datasets to illuminate the pathobiology of autism spectrum disorders. Neuropsychopharmacology, 2021, 46, 55-69. | 2.8 | 31 |
| 345 | Do early-life eating habits predict later autistic traits? Results from a population-based study. Appetite, 2021, 156, 104976. | 1.8 | 6 |
| 346 | Characteristics of toddlers with early versus later diagnosis of autism spectrum disorder. Autism, 2021, 25, 416-428. | 2.4 | 18 |
| 347 | Developmental pattern of the cortical topology in high-functioning individuals with autism spectrum disorder. Human Brain Mapping, 2021, 42, 660-675. | 1.9 | 12 |
| 348 | Functional connectivity during language processing in 3-month-old infants at familial risk for autism spectrum disorder. European Journal of Neuroscience, 2021, 53, 1621-1637. | 1.2 | 14 |
| 349 | The interplay between gut microbiota and autism spectrum disorders: A focus on immunological pathways. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2021, 106, 110091. | 2.5 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 350 | Emerging Evidence for Putative Neural Networks and Antecedents of Pediatric Anxiety in the Fetal, Neonatal, and Infant Periods. <i>Biological Psychiatry</i> , 2021, 89, 672-680. | 0.7 | 4 |
| 351 | Baseline structural and functional magnetic resonance imaging predicts early treatment response in schizophrenia with radiomics strategy. <i>European Journal of Neuroscience</i> , 2021, 53, 1961-1975. | 1.2 | 19 |
| 352 | Neuroimaging Phenotypes Associated With Risk and Resilience for Psychosis and Autism Spectrum Disorders in 22q11.2 Microdeletion Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 211-224. | 1.1 | 4 |
| 353 | Examining volumetric gradients based on the frustum surface ratio in the brain in autism spectrum disorder. <i>Human Brain Mapping</i> , 2021, 42, 953-966. | 1.9 | 4 |
| 354 | A Longitudinal Study of White Matter Development in Relation to Changes in Autism Severity Across Early Childhood. <i>Biological Psychiatry</i> , 2021, 89, 424-432. | 0.7 | 34 |
| 355 | Mapping Progressive Gray Matter Alterations in Early Childhood Autistic Brain. <i>Cerebral Cortex</i> , 2021, 31, 1500-1510. | 1.6 | 16 |
| 356 | Multi-Regression based supervised sample selection for predicting baby connectome evolution trajectory from neonatal timepoint. <i>Medical Image Analysis</i> , 2021, 68, 101853. | 7.0 | 7 |
| 357 | Early infant behavioural correlates of social skills in adolescents. <i>Paediatric and Perinatal Epidemiology</i> , 2021, 35, 247-256. | 0.8 | 6 |
| 358 | Screening Early Children With Autism Spectrum Disorder via Response-to-Name Protocol. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 587-595. | 7.2 | 21 |
| 359 | Cross-level analysis of molecular and neurobehavioral function in a prospective series of patients with germline heterozygous PTEN mutations with and without autism. <i>Molecular Autism</i> , 2021, 12, 5. | 2.6 | 9 |
| 360 | Progress in Neuroimaging Pathology of Autism Spectrum Disorder during Childhood. <i>International Journal of Psychiatry and Neurology</i> , 2021, 10, 58-64. | 0.1 | 0 |
| 361 | Artificial Intelligence for Autism Spectrum Disorders. , 2021, , 1-15. | | 0 |
| 362 | Volitional modification of brain activity in adolescents with Autism Spectrum Disorder: A Bayesian analysis of Slow Cortical Potential neurofeedback. <i>NeuroImage: Clinical</i> , 2021, 29, 102557. | 1.4 | 11 |
| 363 | Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021, 31, 102765. | 1.4 | 25 |
| 364 | Neuroscience of Autism in the Legal Context. , 2021, , 71-96. | | 0 |
| 365 | Functional repertoire of protein kinases and phosphatases in synaptic plasticity and associated neurological disorders. <i>Neural Regeneration Research</i> , 2021, 16, 1150. | 1.6 | 16 |
| 366 | Artificial Intelligence (AI) in medicine as a strategic valuable tool. <i>Pan African Medical Journal</i> , 2021, 38, 184. | 0.3 | 15 |
| 367 | Aberrant auditory system and its developmental implications for autism. <i>Science China Life Sciences</i> , 2021, 64, 861-878. | 2.3 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 368 | Prediction of outcome in children with autism spectrum disorders. , 2021, , 1-8. | | 0 |
| 369 | Diagnostic Biomarker Exploration of Autistic Patients With Different Ages and Different Verbal Intelligence Quotients Based on Random Forest Model. IEEE Access, 2021, 9, 123861-123872. | 2.6 | 1 |
| 370 | DSM-5 and Autism Spectrum Disorder. , 2021, , 1536-1540. | | 0 |
| 371 | Diagnosis and Intervention for Children With Autism Spectrum Disorder: A Survey. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 819-832. | 2.6 | 3 |
| 372 | Peak Alpha Frequency and Thalamic Structure in Children with Typical Development and Autism Spectrum Disorder. Journal of Autism and Developmental Disorders, 2022, 52, 103-112. | 1.7 | 6 |
| 373 | Uncovering neurodevelopmental paths to autism spectrum disorder through an integrated analysis of developmental measures and neural sensitivity to faces. Journal of Psychiatry and Neuroscience, 2021, 46, E34-E43. | 1.4 | 8 |
| 374 | Identification of autism spectrum disorder based on short-term spontaneous hemodynamic fluctuations using deep learning in a multi-layer neural network. Clinical Neurophysiology, 2021, 132, 457-468. | 0.7 | 25 |
| 375 | Real-time classification on oral ulcer images with residual network and image enhancement. IET Image Processing, 2022, 16, 641-646. | 1.4 | 5 |
| 376 | Infants with congenital heart defects have reduced brain volumes. Scientific Reports, 2021, 11, 4191. | 1.6 | 7 |
| 377 | <i>DCC</i> gene network in the prefrontal cortex is associated with total brain volume in childhood. Journal of Psychiatry and Neuroscience, 2021, 46, E154-E163. | 1.4 | 8 |
| 378 | Alterations of Regional Homogeneity in Preschool Boys With Autism Spectrum Disorders. Frontiers in Neuroscience, 2021, 15, 644543. | 1.4 | 16 |
| 379 | DSM-5 symptom expression in toddlers. Autism, 2021, 25, 1653-1665. | 2.4 | 2 |
| 380 | Shorter P1m Response in Children with Autism Spectrum Disorder without Intellectual Disabilities. International Journal of Molecular Sciences, 2021, 22, 2611. | 1.8 | 7 |
| 381 | Machine learning analysis of pregnancy data enables early identification of a subpopulation of newborns with ASD. Scientific Reports, 2021, 11, 6877. | 1.6 | 25 |
| 383 | Structural, Functional, and Molecular Imaging of Autism Spectrum Disorder. Neuroscience Bulletin, 2021, 37, 1051-1071. | 1.5 | 34 |
| 384 | Mapping Domain- and Age-Specific Functional Brain Activity for Children's Cognitive and Affective Development. Neuroscience Bulletin, 2021, 37, 763-776. | 1.5 | 9 |
| 386 | Symptom trajectories in the first 18 months and autism risk in a prospective high-risk cohort. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1435-1443. | 3.1 | 10 |
| 387 | EEG Coherence Study in Children with Autistic Spectrum Disorders: Heterogeneity of the Group. Human Physiology, 2021, 47, 137-146. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 388 | Examining the Boundary Sharpness Coefficient as an Index of Cortical Microstructure in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 3338-3352. | 1.6 | 14 |
| 389 | To eat, or not to eat, that is the question: Neural stem cells escape phagocytosis in autism with macrocephaly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, e2104888118. | 3.3 | 0 |
| 390 | Temperament in individuals with Autism Spectrum Disorder: A systematic review. <i>Clinical Psychology Review</i> , 2021, 85, 101984. | 6.0 | 12 |
| 391 | Overexpression of CD47 is associated with brain overgrowth and 16p11.2 deletion syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 9 |
| 392 | Beyond Baby Siblingsâ€”Expanding the Definition of â€œHigh-Risk Infantsâ€•in Autism Research. <i>Current Psychiatry Reports</i> , 2021, 23, 34. | 2.1 | 8 |
| 393 | T1-Weighted/T2-Weighted Ratio Mapping at 5ÂMonths Captures Individual Differences in Behavioral Development and Differentiates Infants at Familial Risk for Autism from Controls. <i>Cerebral Cortex</i> , 2021, 31, 4068-4077. | 1.6 | 7 |
| 394 | Automatic classification of children with autism spectrum disorder by using a computerized visualâ€orienting task. <i>PsyCh Journal</i> , 2021, 10, 550-565. | 0.5 | 9 |
| 395 | Altered Thalamocortical Connectivity in 6-Week-Old Infants at High Familial Risk for Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 4191-4205. | 1.6 | 21 |
| 396 | Presymptomatic Detection and Intervention for Autism Spectrum Disorder. <i>Pediatrics</i> , 2021, 147, e2020032250. | 1.0 | 4 |
| 397 | Improving the Generalizability of Infantile Cataracts Detection via Deep Learning-Based Lens Partition Strategy and Multicenter Datasets. <i>Frontiers in Medicine</i> , 2021, 8, 664023. | 1.2 | 6 |
| 398 | Association between spectral electroencephalography power and autism risk and diagnosis in early development. <i>Autism Research</i> , 2021, 14, 1390-1403. | 2.1 | 13 |
| 399 | Can Deep Learning Hit a Moving Target? A Scoping Review of Its Role to Study Neurological Disorders in Children. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 670489. | 1.2 | 2 |
| 400 | Clinical and Translational Implications of an Emerging Developmental Substructure for Autism. <i>Annual Review of Clinical Psychology</i> , 2021, 17, 365-389. | 6.3 | 29 |
| 401 | Daily living skills in adolescents with autism spectrum disorder: Implications for intervention and independence. <i>Research in Autism Spectrum Disorders</i> , 2021, 83, 101761. | 0.8 | 14 |
| 402 | Looking Back at the Next 40 Years of ASD Neuroscience Research. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 4333-4353. | 1.7 | 17 |
| 403 | Graph Convolutional Model to Diagnose Autism Spectrum Disorder Using Rs-Fmri Data. , 2021, , . | | 2 |
| 404 | Single-participant structural similarity matrices lead to greater accuracy in classification of participants than function in autism in MRI. <i>Molecular Autism</i> , 2021, 12, 34. | 2.6 | 15 |
| 405 | Classification of ASD based on fMRI data with deep learning. <i>Cognitive Neurodynamics</i> , 2021, 15, 961-974. | 2.3 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 407 | Cortical Morphology in Autism: Findings from a Cortical Shape-Adaptive Approach to Local Gyrfication Indexing. <i>Cerebral Cortex</i> , 2021, 31, 5188-5205. | 1.6 | 6 |
| 408 | An Observationally and Psychoanalytically Informed Parent-Toddler Intervention for Young Children at Risk of ASD: An Audited Case Series and Convergences with Organicist Approaches. , 0, , . | | 1 |
| 409 | Kernel based statistic: identifying topological differences in brain networks. <i>Intelligent Medicine</i> , 2022, 2, 30-40. | 1.6 | 3 |
| 410 | Early concerns in parents of infants at risk for autism. <i>Developmental Medicine and Child Neurology</i> , 2021, 63, 1410-1416. | 1.1 | 4 |
| 411 | Glass-brain mapping provides an adjunct tool for structural analysis in mouse models of neurodevelopmental disease. <i>NeuroImage Reports</i> , 2021, 1, 100023. | 0.5 | 0 |
| 412 | Newborn Auditory Brainstem Responses in Children with Developmental Disabilities. <i>Journal of Autism and Developmental Disorders</i> , 2021, , 1. | 1.7 | 10 |
| 413 | Altered Gray-White Matter Boundary Contrast in Toddlers at Risk for Autism Relates to Later Diagnosis of Autism Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2021, 15, 669194. | 1.4 | 5 |
| 415 | Early social rearing, the V1A arginine vasopressin receptor genotype, and autistic traits in chimpanzees. <i>Autism Research</i> , 2021, 14, 1843-1853. | 2.1 | 3 |
| 416 | Artificial intelligence applications in psychoradiology. <i>Psychoradiology</i> , 2021, 1, 94-107. | 1.0 | 54 |
| 417 | Brain morphology, autistic traits, and polygenic risk for autism: A population-based neuroimaging study. <i>Autism Research</i> , 2021, 14, 2085-2099. | 2.1 | 12 |
| 418 | Automated Detection Approaches to Autism Spectrum Disorder Based on Human Activity Analysis: A Review. <i>Cognitive Computation</i> , 2022, 14, 1773-1800. | 3.6 | 6 |
| 419 | A white paper on a neurodevelopmental framework for drug discovery in autism and other neurodevelopmental disorders. <i>European Neuropsychopharmacology</i> , 2021, 48, 49-88. | 0.3 | 29 |
| 421 | Experiences affect social behaviors via altering neuronal morphology and oxytocin system. <i>Psychoneuroendocrinology</i> , 2021, 129, 105247. | 1.3 | 14 |
| 422 | Physical contact in parent-infant relationship and its effect on fostering a feeling of safety. <i>IScience</i> , 2021, 24, 102721. | 1.9 | 11 |
| 423 | Investigating developmental changes in scalp-to-cortex correspondence using diffuse optical tomography sensitivity in infancy. <i>NeuroPhotonics</i> , 2021, 8, 035003. | 1.7 | 10 |
| 426 | Initial action output and feedback-guided motor behaviors in autism spectrum disorder. <i>Molecular Autism</i> , 2021, 12, 52. | 2.6 | 4 |
| 427 | Recommandations dans le suivi et l'accompagnement précoce des bébés à risque de développer un trouble du spectre de l'autisme (TSA): dernières avancées scientifiques. <i>Enfance</i> , 2021, N° 3, 263-276. | 0.1 | 0 |
| 428 | Association Between Abnormal Fetal Head Growth and Autism Spectrum Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 986-997. | 0.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 429 | Application of Artificial Intelligence in the MRI Classification Task of Human Brain Neurological and Psychiatric Diseases: A Scoping Review. <i>Diagnostics</i> , 2021, 11, 1402. | 1.3 | 23 |
| 430 | A 16-year study of longitudinal volumetric brain development in males with autism. <i>NeuroImage</i> , 2021, 236, 118067. | 2.1 | 24 |
| 431 | Combining Deep Learning and Graph-Theoretic Brain Features to Detect Posttraumatic Stress Disorder at the Individual Level. <i>Diagnostics</i> , 2021, 11, 1416. | 1.3 | 6 |
| 432 | Deep Learning Fast Screening Approach on Cytological Whole Slides for Thyroid Cancer Diagnosis. <i>Cancers</i> , 2021, 13, 3891. | 1.7 | 29 |
| 433 | Small Nucleus Accumbens and Large Cerebral Ventricles in Infants and Toddlers Prior to Receiving Diagnoses of Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2022, 32, 1200-1211. | 1.6 | 11 |
| 434 | Artificial intelligence-assisted fast screening cervical high grade squamous intraepithelial lesion and squamous cell carcinoma diagnosis and treatment planning. <i>Scientific Reports</i> , 2021, 11, 16244. | 1.6 | 33 |
| 435 | Middle-childhood executive functioning mediates associations between early-childhood autism symptoms and adolescent mental health, academic and functional outcomes in autistic children. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, , . | 3.1 | 13 |
| 436 | Ethical dimensions of translational developmental neuroscience research in autism. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1363-1373. | 3.1 | 15 |
| 437 | Larger pupil dilation to nonsocial sounds in infants with subsequent autism diagnosis. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 793-801. | 3.1 | 8 |
| 438 | Cortical Gyrfication Morphology in ASD and ADHD: Implication for Further Similarities or Disorder-Specific Features?. <i>Cerebral Cortex</i> , 2022, 32, 2332-2342. | 1.6 | 2 |
| 439 | Advances in profiling chromatin architecture shed light on the regulatory dynamics underlying brain disorders. <i>Seminars in Cell and Developmental Biology</i> , 2021, 121, 153-153. | 2.3 | 8 |
| 440 | A Scoping Review of Clinical Studies in Infants Fed Formulas Containing Palm Oil or Palm Olein and Sn-2 Palmitate. <i>Journal of Nutrition</i> , 2021, 151, 2997-3035. | 1.3 | 9 |
| 441 | Attention along the cortical hierarchy: Development matters. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2023, 14, e1575. | 1.4 | 2 |
| 442 | Longitudinal Prediction of Infant MR Images With Multi-Contrast Perceptual Adversarial Learning. <i>Frontiers in Neuroscience</i> , 2021, 15, 653213. | 1.4 | 4 |
| 444 | Brain imaging-based machine learning in autism spectrum disorder: methods and applications. <i>Journal of Neuroscience Methods</i> , 2021, 361, 109271. | 1.3 | 27 |
| 445 | Abnormal spatiotemporal expression pattern of progranulin and neurodevelopment impairment in VPA-induced ASD rat model. <i>Neuropharmacology</i> , 2021, 196, 108689. | 2.0 | 8 |
| 446 | Diagnosing autism spectrum disorder in children using conventional MRI and apparent diffusion coefficient based deep learning algorithms. <i>European Radiology</i> , 2022, 32, 761-770. | 2.3 | 9 |
| 447 | Biomarkers for autism spectrum disorder: opportunities for magnetoencephalography (MEG). <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 34. | 1.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 448 | Evidence for normal extra-axial cerebrospinal fluid volume in autistic males from middle childhood to adulthood. <i>NeuroImage</i> , 2021, 240, 118387. | 2.1 | 10 |
| 449 | Brain-Behavior Links in Autism Spectrum Disorder Across the Lifespan. , 2022, , 346-354. | | 0 |
| 450 | The relationship between pesticide exposure during critical neurodevelopment and autism spectrum disorder: A narrative review. <i>Environmental Research</i> , 2022, 203, 111902. | 3.7 | 20 |
| 451 | Neurodevelopmental Disorders. , 2021, , 259-280. | | 0 |
| 452 | Emerging behavioral and neuroimaging biomarkers for early and accurate characterization of autism spectrum disorders: a systematic review. <i>Translational Psychiatry</i> , 2021, 11, 42. | 2.4 | 34 |
| 453 | Diagnosis of autism spectrum disorder with convolutional autoencoder and structural MRI images. , 2021, , 23-38. | | 12 |
| 454 | MEG-PLAN: a clinical and technical protocol for obtaining magnetoencephalography data in minimally verbal or nonverbal children who have autism spectrum disorder. <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 8. | 1.5 | 4 |
| 455 | Parent Responsiveness to Children at Risk of ASD. , 2021, , 3288-3300. | | 0 |
| 456 | Theories of Autism and Autism Treatment from the DSM III Through the Present and Beyond: Impact on Research and Practice. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 4309-4320. | 1.7 | 19 |
| 457 | A voxel-wise assessment of growth differences in infants developing autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2021, 29, 102551. | 1.4 | 8 |
| 458 | Autism Spectrum Disorder from the Womb to Adulthood: Suggestions for a Paradigm Shift. <i>Journal of Personalized Medicine</i> , 2021, 11, 70. | 1.1 | 40 |
| 459 | Annual Research Review: Anterior Modifiers in the Emergence of Neurodevelopmental Disorders (AMEND)â€”a systems neuroscience approach to common developmental disorders. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 610-630. | 3.1 | 36 |
| 460 | Overview and Introduction to Autism Spectrum Disorder (ASD). <i>Advances in Neurobiology</i> , 2020, 24, 3-42. | 1.3 | 16 |
| 461 | Deep Learning vs. Classical Machine Learning: A Comparison of Methods for Fluid Intelligence Prediction. <i>Lecture Notes in Computer Science</i> , 2019, , 17-25. | 1.0 | 4 |
| 462 | Progressive Infant Brain Connectivity Evolution Prediction from Neonatal MRI Using Bidirectionally Supervised Sample Selection. <i>Lecture Notes in Computer Science</i> , 2019, , 63-72. | 1.0 | 3 |
| 463 | Infant Cognitive Scores Prediction with Multi-stream Attention-Based Temporal Path Signature Features. <i>Lecture Notes in Computer Science</i> , 2020, 12267, 134-144. | 1.0 | 3 |
| 464 | Identifying Subnetwork Fingerprints in Structural Connectomes: A Data-Driven Approach. <i>Lecture Notes in Computer Science</i> , 2017, , 79-88. | 1.0 | 2 |
| 465 | Multi-task Dictionary Learning Based on Convolutional Neural Networks for Longitudinal Clinical Score Predictions in Alzheimerâ€™s Disease. <i>Communications in Computer and Information Science</i> , 2019, 1072, 21-35. | 0.4 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 466 | Infant Learning in the Digital Age. , 2020, , 435-466. | | 1 |
| 467 | Structural and functional brain scans from the cross-sectional Southwest University adult lifespan dataset. Scientific Data, 2018, 5, 180134. | 2.4 | 101 |
| 468 | Progress and roadblocks in the search for brain-based biomarkers of autism and attention-deficit/hyperactivity disorder. Translational Psychiatry, 2017, 7, e1218-e1218. | 2.4 | 115 |
| 469 | Deep learning in medical image registration. Progress in Biomedical Engineering, 0, , . | 2.8 | 17 |
| 470 | Cortical Gyrfication Morphology in Individuals with ASD and ADHD across the Lifespan: A Systematic Review and Meta-Analysis. Cerebral Cortex, 2021, 31, 2653-2669. | 1.6 | 14 |
| 479 | Assessment of Autism Symptoms From 6 to 18 Months of Age Using the Autism Observation Scale for Infants in a Prospective High-Risk Cohort. Child Development, 2021, 92, 1187-1198. | 1.7 | 21 |
| 480 | Prodromes and Preclinical Detection of Brain Diseases: Surveying the Ethical Landscape of Predicting Brain Health. ENeuro, 2019, 6, ENEURO.0439-18.2019. | 0.9 | 9 |
| 481 | The Applications of Clustering Methods in Predicting Protein Functions. Current Proteomics, 2019, 16, 354-358. | 0.1 | 2 |
| 482 | An Interpretable and Expandable Deep Learning Diagnostic System for Multiple Ocular Diseases: Qualitative Study. Journal of Medical Internet Research, 2018, 20, e11144. | 2.1 | 41 |
| 483 | Accuracy of Machine Learning Algorithms for the Diagnosis of Autism Spectrum Disorder: Systematic Review and Meta-Analysis of Brain Magnetic Resonance Imaging Studies. JMIR Mental Health, 2019, 6, e14108. | 1.7 | 42 |
| 484 | The Development of a Practical Artificial Intelligence Tool for Diagnosing and Evaluating Autism Spectrum Disorder: Multicenter Study. JMIR Medical Informatics, 2020, 8, e15767. | 1.3 | 28 |
| 485 | Multifunctional inverse sensing by spatial distribution characterization of scattering photons. Opto-Electronic Advances, 2019, 2, 19001901-19001908. | 6.4 | 29 |
| 486 | Brain and behavior development in autism from birth through infancy. Dialogues in Clinical Neuroscience, 2017, 19, 325-333. | 1.8 | 62 |
| 487 | Whole Exome Sequencing Identifies Novel De Novo Variants Interacting with Six Gene Networks in Autism Spectrum Disorder. Genes, 2021, 12, 1. | 1.0 | 29 |
| 488 | The Gut-Brain Axis in Autism Spectrum Disorder: A Focus on the Metalloproteases ADAM10 and ADAM17. International Journal of Molecular Sciences, 2021, 22, 118. | 1.8 | 16 |
| 489 | Altered Gut Microbiome in Autism Spectrum Disorder: Potential Mechanism and Implications for Clinical Intervention. Global Clinical and Translational Research, 2019, , 45-52. | 0.4 | 6 |
| 491 | Diffusion-MRI-based regional cortical microstructure at birth for predicting neurodevelopmental outcomes of 2-year-olds. ELife, 2020, 9, . | 2.8 | 19 |
| 492 | Classification of LFPs Signals in Autistic and Normal Mice Based on Convolutional Neural Network. Communications in Computer and Information Science, 2021, , 267-276. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 493 | Multi-site clustering and nested feature extraction for identifying autism spectrum disorder with resting-state fMRI. <i>Medical Image Analysis</i> , 2022, 75, 102279. | 7.0 | 43 |
| 494 | Pre-symptomatic intervention for autism spectrum disorder (ASD): defining a research agenda. <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 49. | 1.5 | 28 |
| 495 | Involvement of the habenula in the pathophysiology of autism spectrum disorder. <i>Scientific Reports</i> , 2021, 11, 21168. | 1.6 | 13 |
| 496 | Automatic classification of ASD children using appearance-based features from videos. <i>Neurocomputing</i> , 2022, 470, 40-50. | 3.5 | 5 |
| 498 | Brain <scp>MRI</scp> in Autism Spectrum Disorder: Narrative Review and Recent Advances. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1613-1624. | 1.9 | 17 |
| 499 | Unified framework for early stage status prediction of autism based on infant structural magnetic resonance imaging. <i>Autism Research</i> , 2021, 14, 2512-2523. | 2.1 | 8 |
| 500 | The characteristics and factors of the internalizing and externalizing behaviours of children at high risk for autism spectrum disorder. <i>BMC Psychiatry</i> , 2021, 21, 523. | 1.1 | 7 |
| 502 | Chinese Color Nest Project : An accelerated longitudinal brain-mind cohort. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101020. | 1.9 | 30 |
| 503 | DSM-5 and Autism Spectrum Disorder. , 2017, , 1-6. | | 1 |
| 505 | “Broken mirror” as the earliest symptom of autism spectrum disorders “ A review of selected research reports. <i>Men Disability Society</i> , 2017, 4, 47-55. | 0.1 | 0 |
| 506 | Parent Responsiveness to Children at Risk of ASD. , 2018, , 1-11. | | 0 |
| 508 | Spatial-Frequency Non-local Convolutional LSTM Network for pRCC Classification. <i>Lecture Notes in Computer Science</i> , 2019, , 22-30. | 1.0 | 0 |
| 510 | Deep Discriminant Autoencoder Network for Multi-site fMRI Classification. , 2019, , 227-258. | | 0 |
| 511 | The gaze processing impairment in individuals with autism spectrum disorder: A perspective from the two-process theory. <i>Advances in Psychological Science</i> , 2019, 27, 508. | 0.2 | 0 |
| 512 | Integration of Machine Learning Techniques as Auxiliary Diagnosis of Inherited Metabolic Disorders: Promising Experience with Newborn Screening Data. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2019, , 334-349. | 0.2 | 3 |
| 513 | Altered Gut Microbiome in Autism Spectrum Disorder: Potential Mechanism and Implications for Clinical Intervention. , 2019, , . | | 2 |
| 514 | Early predication of autism spectrum disorders based on eye movement studies. <i>Advances in Psychological Science</i> , 2019, 27, 301. | 0.2 | 0 |
| 517 | Diagnostic Value of Two-Dimensional plus Four-Dimensional Ultrasonography in Fetal Craniocerebral Anomalies. <i>Iranian Journal of Public Health</i> , 0, , . | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 518 | Screening Early Children with Autism Spectrum Disorder via Expressing Needs with Index Finger Pointing. , 2019, , . | | 7 |
| 519 | Parent Responsiveness to Children at Risk of ASD. , 2020, , 1-13. | | 0 |
| 520 | New Progress in the Etiology and Treatment of Autism. Advances in Psychology, 2020, 10, 580-588. | 0.0 | 0 |
| 526 | Using deep learning to classify pediatric posttraumatic stress disorder at the individual level. BMC Psychiatry, 2021, 21, 535. | 1.1 | 9 |
| 527 | Endocannabinoid Markers in Autism Spectrum Disorder: a Scoping Review of Human Studies. Psychiatry Research, 2021, 306, 114256. | 1.7 | 3 |
| 528 | Neonatal neurobehavior in infants with autism spectrum disorder. Developmental Medicine and Child Neurology, 2022, 64, 600-607. | 1.1 | 7 |
| 529 | Brain exosomes as minuscule information hub for Autism Spectrum Disorder. Expert Review of Molecular Diagnostics, 2021, 21, 1323-1331. | 1.5 | 8 |
| 530 | Neural Mechanisms of Visual Motion Anomalies in Autism: A Two-Decade Update and Novel Aetiology. Frontiers in Neuroscience, 2021, 15, 756841. | 1.4 | 7 |
| 531 | Multi-modal Perceptual Adversarial Learning for Longitudinal Prediction of Infant MR Images. Lecture Notes in Computer Science, 2020, , 284-294. | 1.0 | 1 |
| 532 | Informative Feature-Guided Siamese Network for Early Diagnosis of Autism. Lecture Notes in Computer Science, 2020, 12436, 674-682. | 1.0 | 0 |
| 533 | Population Neuroscience. Mental Health and Illness Worldwide, 2020, , 1-22. | 0.1 | 2 |
| 535 | Characterization of genome-wide association study data reveals spatiotemporal heterogeneity of mental disorders. BMC Medical Genomics, 2020, 13, 192. | 0.7 | 8 |
| 537 | Special considerations for acquisition of pediatric MRI of high spatial and temporal resolution. Advances in Magnetic Resonance Technology and Applications, 2021, 2, 3-18. | 0.0 | 0 |
| 538 | Surface-based analysis of the developing cerebral cortex. Advances in Magnetic Resonance Technology and Applications, 2021, , 287-307. | 0.0 | 0 |
| 539 | Knowledge and attitudes toward vaccination among Saudi medical students. Journal of Family Medicine and Primary Care, 2020, 9, 1672. | 0.3 | 5 |
| 543 | Early Childhood Brain Development and Schizophrenia: An Imaging Perspective. , 2020, , 303-317. | | 0 |
| 544 | Infant Physical Growth. , 2020, , 170-182. | | 0 |
| 545 | Knowledge and attitudes toward vaccination among Saudi medical students. Journal of Family Medicine and Primary Care, 2020, 9, 2079. | 0.3 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 547 | Imaging early brain structural and functional development. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, , 395-428. | 0.0 | 0 |
| 549 | The Passion of Liu Xiaobo. , 2020, , 6-13. | | 0 |
| 550 | Ensemble classification of autism spectrum disorder using structural magnetic resonance imaging features. <i>JCPP Advances</i> , 2021, 1, e12042. | 1.4 | 2 |
| 552 | Can Autism Be Diagnosed with Artificial Intelligence? A Narrative Review. <i>Diagnostics</i> , 2021, 11, 2032. | 1.3 | 9 |
| 554 | Improvement in vaccination knowledge among health students following an integrated extra curricular intervention, an explorative study in the University of Palermo. <i>Journal of Preventive Medicine and Hygiene</i> , 2017, 58, E93-E98. | 0.9 | 23 |
| 555 | Diagnostic Value of Two-Dimensional plus Four-Dimensional Ultrasonography in Fetal Craniocerebral Anomalies. <i>Iranian Journal of Public Health</i> , 2019, 48, 323-330. | 0.3 | 1 |
| 556 | Identify aberrant white matter microstructure in ASD, ADHD and other neurodevelopmental disorders: A meta-analysis of diffusion tensor imaging studies. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110477. | 2.5 | 32 |
| 557 | Prediction of autism spectrum disorder diagnosis using nonlinear measures of language-related EEG at 6 and 12 months. <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 57. | 1.5 | 16 |
| 558 | Early social communication development in infants with autism spectrum disorder. <i>Child Development</i> , 2021, 92, 2224-2234. | 1.7 | 12 |
| 559 | A national harmonised data collection network for neurodevelopmental disorders: A transdiagnostic assessment protocol for neurodevelopment, mental health, functioning and well-being. <i>JCPP Advances</i> , 2021, 1, . | 1.4 | 9 |
| 560 | Opportunities and Challenges: Classification of Skin Disease Based on Deep Learning. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2021, 34, . | 1.9 | 19 |
| 561 | Can stratification biomarkers address the heterogeneity of autism spectrum disorder?. <i>Irish Journal of Psychological Medicine</i> , 2022, 39, 305-311. | 0.7 | 8 |
| 563 | Risk of abnormal outcomes based on basic and advanced MRI measurements. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 2, 467-499. | 0.0 | 0 |
| 564 | Developmental abnormalities of structural covariance networks of cortical thickness and surface area in autistic infants within the first 2Âyears. <i>Cerebral Cortex</i> , 2022, 32, 3786-3798. | 1.6 | 3 |
| 565 | Multidimensional brain-age prediction reveals altered brain developmental trajectory in psychiatric disorders. <i>Cerebral Cortex</i> , 2022, 32, 5036-5049. | 1.6 | 9 |
| 566 | Dear reviewers: Responses to common reviewer critiques about infant neuroimaging studies. <i>Developmental Cognitive Neuroscience</i> , 2022, 53, 101055. | 1.9 | 18 |
| 567 | Filtering respiratory motion artifact from resting state fMRI data in infant and toddler populations. <i>NeuroImage</i> , 2022, 247, 118838. | 2.1 | 9 |
| 568 | An Auxiliary Screening System for Autism Spectrum Disorder Based on Emotion and Attention Analysis. , 2020, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 569 | Neonatal amygdala resting-state functional connectivity and socio-emotional development in very preterm children. <i>Brain Communications</i> , 2022, 4, fca009. | 1.5 | 14 |
| 570 | Artificial intelligence for medical robotics. , 2022, , 23-30. | | 0 |
| 571 | Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1665-1676. | 5.4 | 5 |
| 572 | Capturing the complexity of autism: Applying a developmental cascades framework. <i>Child Development Perspectives</i> , 2022, 16, 18-26. | 2.1 | 28 |
| 573 | Potential early identification markers for children with autism spectrum disorder: Unusual vocalizations and theoretical explanations. <i>Advances in Psychological Science</i> , 2022, 30, 635. | 0.2 | 0 |
| 574 | Cortical development coupling between surface area and sulcal depth on macaque brains. <i>Brain Structure and Function</i> , 2022, 227, 1013. | 1.2 | 7 |
| 575 | Association between ultrasonography foetal anomalies and autism spectrum disorder. <i>Brain</i> , 2022, 145, 4519-4530. | 3.7 | 11 |
| 576 | The Lancet Commission on the future of care and clinical research in autism. <i>Lancet, The</i> , 2022, 399, 271-334. | 6.3 | 303 |
| 578 | The role of head circumference and cerebral volumes to phenotype male adults with autism spectrum disorder. <i>Brain and Behavior</i> , 2022, 12, e2460. | 1.0 | 7 |
| 579 | The Value of Brain Imaging and Electrophysiological Testing for Early Screening of Autism Spectrum Disorder: A Systematic Review. <i>Frontiers in Neuroscience</i> , 2021, 15, 812946. | 1.4 | 9 |
| 580 | Artificial intelligence in pediatrics: the future is now. <i>Pediatric Research</i> , 2023, 93, 445-446. | 1.1 | 7 |
| 581 | A survey of protocols from 54 infant and toddler neuroimaging research labs. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101060. | 1.9 | 6 |
| 582 | The amplitude of fNIRS hemodynamic response in the visual cortex unmasks autistic traits in typically developing children. <i>Translational Psychiatry</i> , 2022, 12, 53. | 2.4 | 5 |
| 583 | Consistent brain structural abnormalities and multisite individualised classification of schizophrenia using deep neural networks. <i>British Journal of Psychiatry</i> , 2022, 221, 732-739. | 1.7 | 9 |
| 585 | An ode to fetal, infant, and toddler neuroimaging: Chronicling early clinical to research applications with MRI, and an introduction to an academic society connecting the field. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101083. | 1.9 | 10 |
| 586 | Artificial Intelligence for Autism Spectrum Disorders. , 2022, , 1579-1593. | | 2 |
| 588 | Identifying and Predicting Autism Spectrum Disorder Based on Multi-Site Structural MRI With Machine Learning. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 765517. | 1.0 | 8 |
| 589 | Fragile X Mental Retardation Protein and Cerebral Expression of Metabotropic Glutamate Receptor Subtype 5 in Men with Fragile X Syndrome: A Pilot Study. <i>Brain Sciences</i> , 2022, 12, 314. | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 590 | Flattened Structural Network Changes and Association of Hyperconnectivity With Symptom Severity in 7-Year-Old Children With Autism. <i>Frontiers in Neuroscience</i> , 2021, 15, 757838. | 1.4 | 2 |
| 591 | mTOR Signaling Pathway Regulates the Release of Proinflammatory Molecule CCL5 Implicated in the Pathogenesis of Autism Spectrum Disorder. <i>Frontiers in Immunology</i> , 2022, 13, 818518. | 2.2 | 8 |
| 592 | Subcortical Brain Development in Autism and Fragile X Syndrome: Evidence for Dynamic, Age- and Disorder-Specific Trajectories in Infancy. <i>American Journal of Psychiatry</i> , 2022, 179, 562-572. | 4.0 | 28 |
| 593 | Corpus Callosum Volumes in Children with Autism Spectrum Disorders: Sex-Associated Differences. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 2421-2429. | 1.7 | 5 |
| 594 | Reconsidering animal models used to study autism spectrum disorder: Current state and optimizing future. <i>Genes, Brain and Behavior</i> , 2022, 21, e12803. | 1.1 | 55 |
| 597 | Brain morphometric features predict medication response in youth with bipolar disorder: a prospective randomized clinical trial. <i>Psychological Medicine</i> , 2023, 53, 4083-4093. | 2.7 | 3 |
| 598 | Cortical myelination in toddlers and preschoolers with autism spectrum disorder. <i>Developmental Neurobiology</i> , 2022, 82, 261-274. | 1.5 | 10 |
| 599 | Volumetric Analysis of Amygdala and Hippocampal Subfields for Infants with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2023, 53, 2475-2489. | 1.7 | 8 |
| 600 | Coordinating cerebral cortical construction and connectivity: Unifying influence of radial progenitors. <i>Neuron</i> , 2022, 110, 1100-1115. | 3.8 | 13 |
| 601 | Advancing research on early autism through an integrated risk and resilience perspective. <i>Development and Psychopathology</i> , 2022, , 1-18. | 1.4 | 4 |
| 602 | Neonatal multi-modal cortical profiles predict 18-month developmental outcomes. <i>Developmental Cognitive Neuroscience</i> , 2022, 54, 101103. | 1.9 | 11 |
| 603 | devfOLD: a toolbox for designing age-specific fNIRS channel placement. <i>Neurophotonics</i> , 2021, 8, 045003. | 1.7 | 7 |
| 604 | A Prospective Evaluation of Infant Cerebellar-Cerebral Functional Connectivity in Relation to Behavioral Development in Autism Spectrum Disorder. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 149-161. | 1.0 | 3 |
| 605 | Atypical cerebellar functional connectivity at 9 months of age predicts delayed socio-communicative profiles in infants at high and low risk for autism. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1002-1016. | 3.1 | 7 |
| 606 | Auxiliary Diagnostic Method for Early Autism Spectrum Disorder Based on Eye Movement Data Analysis. , 2021, , . | | 1 |
| 607 | Functional Connectivity Underlying Symptoms in Preschool Boys With Autism: A Resting-State Functional Magnetic Resonance Imaging Study. <i>Frontiers in Neuroscience</i> , 2022, 16, 844821. | 1.4 | 3 |
| 608 | Identifying Visual Attention Features Accurately Discerning Between Autism and Typically Developing: a Deep Learning Framework. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2022, 14, 639-651. | 2.2 | 5 |
| 625 | Appearance-Based Gaze Estimation for ASD Diagnosis. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6504-6517. | 6.2 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 626 | Neurodevelopmental Patterns of Early Postnatal White Matter Maturation Represent Distinct Underlying Microstructure and Histology. SSRN Electronic Journal, 0, . | 0.4 | 0 |
| 627 | Reelin cells and sexâ€dependent synaptopathology in autism following postnatal immune activation. British Journal of Pharmacology, 2022, 179, 4400-4422. | 2.7 | 10 |
| 628 | A Review on Autism Spectrum Disorder: Pathogenesis, Biomarkers, Pharmacological and Non-Pharmacological Interventions. CNS and Neurological Disorders - Drug Targets, 2023, 22, 659-677. | 0.8 | 4 |
| 629 | Bringing machine learning to research on intellectual and developmental disabilities: taking inspiration from neurological diseases. Journal of Neurodevelopmental Disorders, 2022, 14, 28. | 1.5 | 9 |
| 630 | Evaluating Head Models for Cortical Source Localization of the Face-Sensitive N290 Component in Infants. Brain Topography, 2022, , . | 0.8 | 2 |
| 631 | Neuroimaging Techniques as Descriptive and Diagnostic Tools for Infants at Risk for Autism Spectrum Disorder: A Systematic Review. Brain Sciences, 2022, 12, 602. | 1.1 | 8 |
| 632 | Autism and MMR vaccine. , 2018, 52, 14-19. | | 0 |
| 633 | Infant Visual Brain Development and Inherited Genetic Liability in Autism. American Journal of Psychiatry, 2022, 179, 573-585. | 4.0 | 14 |
| 634 | The neuroanatomy of autism. , 2022, , 87-105. | | 1 |
| 635 | Potential natural products for the management of autism spectrum disorder. , 2022, 8, 365-376. | | 4 |
| 636 | Nanobiomimetic Medicine. Advanced Functional Materials, 2022, 32, . | 7.8 | 10 |
| 637 | Machine Learning and rs-fMRI to Identify Potential Brain Regions Associated with Autism Severity. Algorithms, 2022, 15, 195. | 1.2 | 5 |
| 639 | Movement Disorders and Neuropsychiatric Conditions. , 2022, , 619-636. | | 0 |
| 640 | Individual Brain Morphological Connectome Indicator Based on Jensenâ€™Shannon Divergence Similarity Estimation for Autism Spectrum Disorder Identification. Frontiers in Neuroscience, 0, 16, . | 1.4 | 2 |
| 641 | Different Eye Tracking Patterns in Autism Spectrum Disorder in Toddler and Preschool Children. Frontiers in Psychiatry, 0, 13, . | 1.3 | 6 |
| 642 | Infants later diagnosed with autism have lower canonical babbling ratios in the first year of life. Molecular Autism, 2022, 13, . | 2.6 | 7 |
| 643 | Modern Biomarkers for Autism Spectrum Disorder: Future Directions. Molecular Diagnosis and Therapy, 2022, 26, 483-495. | 1.6 | 18 |
| 644 | Deep Learning Model for Predicting the Outcome of Endovascular Abdominal Aortic Aneurysm Repair. Indian Journal of Surgery, 2023, 85, 288-296. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 645 | Multi-instance discriminative contrastive learning for brain image representation. <i>Neural Computing and Applications</i> , 0, , . | 3.2 | 11 |
| 646 | Promoting Research, Awareness, and Discussion on AI in Medicine Using #MedTwitterAI: A Longitudinal Twitter Hashtag Analysis. <i>Frontiers in Public Health</i> , 0, 10, . | 1.3 | 8 |
| 647 | Age-related changes in diffuse optical tomography sensitivity profiles from childhood to adulthood. <i>Journal of Biomedical Optics</i> , 2022, 27, . | 1.4 | 2 |
| 648 | The longitudinal bidirectional relationship between autistic traits and brain morphology from childhood to adolescence: a population-based cohort study. <i>Molecular Autism</i> , 2022, 13, . | 2.6 | 7 |
| 649 | Relations between sleep patterns early in life and brain development: A review. <i>Developmental Cognitive Neuroscience</i> , 2022, 56, 101130. | 1.9 | 24 |
| 651 | Translational potential of human brain charts. <i>Clinical and Translational Medicine</i> , 2022, 12, . | 1.7 | 4 |
| 652 | Peripheral gene interactions define interpretable clusters of core ASD genes in a network-based investigation of the omnigenic theory. <i>Npj Systems Biology and Applications</i> , 2022, 8, . | 1.4 | 1 |
| 654 | Cortical Source Analysis of the Face Sensitive N290 ERP Component in Infants at High Risk for Autism. <i>Brain Sciences</i> , 2022, 12, 1129. | 1.1 | 0 |
| 655 | Infant Brain Signatures of Genetic Liability for Autism: The Critical Need for Longitudinal Research. <i>American Journal of Psychiatry</i> , 2022, 179, 525-527. | 4.0 | 1 |
| 656 | Understanding the nature of face processing in early autism: A prospective study.. , 2022, 131, 542-555. | | 4 |
| 657 | A structural MRI study of global developmental delay in infants (<2 years old). <i>Frontiers in Neurology</i> , 0, 13, . | 1.1 | 1 |
| 658 | Aberrant brain functional and structural developments in MECP2 duplication rats. <i>Neurobiology of Disease</i> , 2022, 173, 105838. | 2.1 | 2 |
| 659 | Sex differences in maternal odor preferences and brain levels of GAP-43 and sonic hedgehog proteins in infant SHR and Wistar Kyoto rats. <i>Behavioural Brain Research</i> , 2023, 436, 114102. | 1.2 | 0 |
| 660 | Autism Spectrum Disorder Identification Using Multi-Model Deep Ensemble Classifier with Transfer Learning. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 661 | Multi-task Facial Landmark Detection Network for Early ASD Screening. <i>Lecture Notes in Computer Science</i> , 2022, , 381-391. | 1.0 | 0 |
| 662 | A Multimodal Approach for Identifying Autism Spectrum Disorders in Children. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 2003-2011. | 2.7 | 17 |
| 663 | Disrupted dynamic network reconfiguration of the brain functional networks of individuals with autism spectrum disorder. <i>Brain Communications</i> , 2022, 4, . | 1.5 | 2 |
| 664 | Shank2/3 double knockout-based screening of cortical subregions links the retrosplenial area to the loss of social memory in autism spectrum disorders. <i>Molecular Psychiatry</i> , 2022, 27, 4994-5006. | 4.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 665 | Machine learning for autism spectrum disorder diagnosis using structural magnetic resonance imaging: Promising but challenging. <i>Frontiers in Neuroinformatics</i> , 0, 16, . | 1.3 | 17 |
| 666 | Psychosis spectrum illnesses as disorders of prefrontal critical period plasticity. <i>Neuropsychopharmacology</i> , 2023, 48, 168-185. | 2.8 | 10 |
| 667 | Statistical power for longitudinal developmental trajectories: The (non-)impact of age matching within measurement occasions.. <i>Developmental Psychology</i> , 2023, 59, 207-215. | 1.2 | 1 |
| 668 | Atypical brain network development of infants at elevated likelihood for autism spectrum disorder during the first year of life. <i>Autism Research</i> , 2022, 15, 2223-2237. | 2.1 | 4 |
| 669 | A Survey on Deep Learning-Based Diffeomorphic Mapping. , 2022, , 1-33. | | 0 |
| 670 | A Paradigm Shift in Understanding the Pathological Basis of Autism Spectrum Disorder: From the Womb to the Tomb. <i>Journal of Personalized Medicine</i> , 2022, 12, 1622. | 1.1 | 1 |
| 671 | Quantifying latent social motivation and its associations with joint attention and language in infants at high and low likelihood for autism spectrum disorder. <i>Developmental Science</i> , 2023, 26, . | 1.3 | 3 |
| 672 | Neurodevelopmental patterns of early postnatal white matter maturation represent distinct underlying microstructure and histology. <i>Neuron</i> , 2022, 110, 4015-4030.e4. | 3.8 | 8 |
| 673 | Prediction of autistic tendencies at 18 months of age via markerless video analysis of spontaneous body movements in 4-month-old infants. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 4 |
| 674 | Autism spectrum disorders pathogenesis: Toward a comprehensive model based on neuroanatomic and neurodevelopment considerations. <i>Frontiers in Neuroscience</i> , 0, 16, . | 1.4 | 7 |
| 675 | Special considerations for unседated MR in the young pediatric population. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2022, , 533-552. | 0.0 | 1 |
| 676 | Application of pseudocontinuous arterial spin labeling perfusion imaging in children with autism spectrum disorders. <i>Frontiers in Neuroscience</i> , 0, 16, . | 1.4 | 3 |
| 677 | Construction of an immune-related ceRNA network to screen for potential diagnostic markers for autism spectrum disorder. <i>Frontiers in Genetics</i> , 0, 13, . | 1.1 | 4 |
| 678 | Prediction of brain age using quantitative parameters of synthetic magnetic resonance imaging. <i>Frontiers in Aging Neuroscience</i> , 0, 14, . | 1.7 | 0 |
| 679 | Dynamic Viewing Pattern Analysis: Towards Large-Scale Screening of Children With ASD in Remote Areas. <i>IEEE Transactions on Biomedical Engineering</i> , 2023, 70, 1622-1633. | 2.5 | 3 |
| 680 | Neurovascular Development. , 2022, , . | | 0 |
| 681 | Medical IT service for the detection of neurocognitive pathologies based on the results of an MRI scan of the human brain. , 2022, , . | | 0 |
| 682 | Translating neuroimaging changes to neuro-endophenotypes of autistic spectrum disorder: a narrative review. <i>Egyptian Journal of Neurology, Psychiatry and Neurosurgery</i> , 2022, 58, . | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 683 | Prediction of autism in infants: progress and challenges. <i>Lancet Neurology</i> , The, 2023, 22, 244-254. | 4.9 | 9 |
| 684 | Relationship of Impairments in Associative Learning With Intellectual Disability and Cerebellar Hypoplasia in Autistic Children. <i>Neurology</i> , 2023, 100, . | 1.5 | 1 |
| 685 | Trends and features of autism spectrum disorder research using artificial intelligence techniques: a bibliometric approach. <i>Current Psychology</i> , 2023, 42, 31317-31332. | 1.7 | 1 |
| 686 | Continuity of trajectories of autism symptom severity from infancy to childhood. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 0, , . | 3.1 | 0 |
| 687 | Critical periods and Autism Spectrum Disorders, a role for sleep. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2023, 14, 100088. | 1.4 | 2 |
| 688 | <scp>3Dâ€MASNet</scp>: <scp>3D</scp> mixedâ€scale asymmetric convolutional segmentation network for 6â€monthâ€old infant brain <scp>MR</scp> images. <i>Human Brain Mapping</i> , 2023, 44, 1779-1792. | 1.9 | 2 |
| 689 | Cortical thickness abnormalities in autism spectrum disorder. <i>European Child and Adolescent Psychiatry</i> , 2024, 33, 65-77. | 2.8 | 4 |
| 690 | Associations Between Caregiver Stress and Language Outcomes in Infants With Autistic and Non-Autistic Siblings: An Exploratory Study. <i>Journal of Speech, Language, and Hearing Research</i> , 2023, 66, 190-205. | 0.7 | 2 |
| 691 | A multimodal discrimination method for the response to name behavior of autistic children based on human pose tracking and head pose estimation. <i>Displays</i> , 2023, 76, 102360. | 2.0 | 6 |
| 693 | Autism Spectrum Disorder: Neurodevelopmental Risk Factors, Biological Mechanism, and Precision Therapy. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1819. | 1.8 | 24 |
| 694 | Environmental Toxicants and the Developing Brain. <i>Biological Psychiatry</i> , 2023, 93, 921-933. | 0.7 | 5 |
| 695 | Review of Progress in Diagnostic Studies of Autism Spectrum Disorder Using Neuroimaging. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 0, , . | 2.2 | 2 |
| 696 | Cohort-guided insights into geneâ€environment interactions in autism spectrum disorders. <i>Nature Reviews Neurology</i> , 2023, 19, 118-125. | 4.9 | 7 |
| 697 | Translating precision medicine for autism spectrum disorder: A pressing need. <i>Drug Discovery Today</i> , 2023, 28, 103486. | 3.2 | 0 |
| 698 | Integrative treatment program for the treatment of children with autism spectrum disorder: A prospective observational case series. <i>Frontiers in Neurology</i> , 0, 13, . | 1.1 | 0 |
| 699 | Altered task induced functional brain networks and small-world properties in autism. <i>Frontiers in Psychiatry</i> , 0, 13, . | 1.3 | 0 |
| 700 | Gut Microbiota Analysis and In Silico Biomarker Detection of Children with Autism Spectrum Disorder across Cohorts. <i>Microorganisms</i> , 2023, 11, 291. | 1.6 | 0 |
| 701 | Structural brain abnormalities and their association with language impairment in school-aged children with Autism Spectrum Disorder. <i>Scientific Reports</i> , 2023, 13, . | 1.6 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 702 | Sensing echoes: temporal misalignment in auditory brainstem responses as the earliest marker of neurodevelopmental derailment. , 2023, 2, . | | 3 |
| 703 | Visual Autism. Children, 2023, 10, 606. | 0.6 | 1 |
| 704 | Maternal preconception circulating blood biomarker mixtures, child behavioural symptom scores and the potential mediating role of neonatal brain microstructure: the S-PRESTO cohort. Translational Psychiatry, 2023, 13, . | 2.4 | 0 |
| 705 | Child-therapist interaction features impact Autism treatment response trajectories. Research in Developmental Disabilities, 2023, 135, 104452. | 1.2 | 0 |
| 706 | Developmental mechanisms underlying the evolution of human cortical circuits. Nature Reviews Neuroscience, 2023, 24, 213-232. | 4.9 | 34 |
| 707 | Natural variation in gene expression and viral susceptibility revealed by neural progenitor cell villages. Cell Stem Cell, 2023, 30, 312-332.e13. | 5.2 | 20 |
| 708 | Structure-based developmental toxicity and ASD-phenotypes of bisphenol A analogues in embryonic zebrafish. Ecotoxicology and Environmental Safety, 2023, 253, 114643. | 2.9 | 2 |
| 709 | The Neuroradiology of Autism: Framing Neuroimaging Investigations of the Autistic Brain Based on the US NIMH Research Domain Criteria. , 2023, , 269-282. | | 0 |
| 710 | The History of Autism Spectrum Disorder. , 2023, , 215-226. | | 0 |
| 711 | Impact of Macrocephaly, as an Isolated Trait, on EEG Signal as Measured by Spectral Power and Multiscale Entropy during the First Year of Life. Developmental Neuroscience, 2023, 45, 210-222. | 1.0 | 1 |
| 712 | A Survey on Deep Learning-Based Diffeomorphic Mapping. , 2023, , 1289-1321. | | 0 |
| 713 | (Vroeg)Herkenning en screening. , 2021, , 67-88. | | 1 |
| 714 | Neurodevelopmental, Disruptive, Impulse-Control, and Conduct Disorders. , 2023, , 361-405. | | 0 |
| 715 | Evaluation of Risk of Bias in Neuroimaging-Based Artificial Intelligence Models for Psychiatric Diagnosis. JAMA Network Open, 2023, 6, e231671. | 2.8 | 5 |
| 716 | The use of data independent acquisition based proteomic analysis and machine learning to reveal potential biomarkers for autism spectrum disorder. Journal of Proteomics, 2023, 278, 104872. | 1.2 | 3 |
| 717 | Lactiplantibacillus plantarum N-1 improves autism-like behavior and gut microbiota in mouse. Frontiers in Microbiology, 0, 14, . | 1.5 | 2 |
| 718 | A Model for Diagnosing Autism Patients Using Spatial and Statistical Measures Using rs-fMRI and sMRI by Adopting Graphical Neural Networks. Diagnostics, 2023, 13, 1143. | 1.3 | 3 |
| 720 | Are sleep disturbances a cause or consequence of autism spectrum disorder?. Psychiatry and Clinical Neurosciences, 2023, 77, 377-385. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 722 | Functional concurrent hidden Markov model. <i>Statistics and Computing</i> , 2023, 33, . | 0.8 | 0 |
| 723 | Global motion processing in infantsâ€™ visual cortex and the emergence of autism. <i>Communications Biology</i> , 2023, 6, . | 2.0 | 1 |
| 724 | Association of early childhood constipation with the risk of autism spectrum disorder in Taiwan: Real-world evidence from a nationwide population-based cohort study. <i>Frontiers in Psychiatry</i> , 0, 14, . | 1.3 | 1 |
| 725 | Assessment of Neuroanatomical Endophenotypes of Autism Spectrum Disorder and Association With Characteristics of Individuals With Schizophrenia and the General Population. <i>JAMA Psychiatry</i> , 2023, 80, 498. | 6.0 | 7 |
| 746 | The developmental connectome. , 2023, , 345-367. | | 1 |
| 748 | Challenges of implementing computer-aided diagnostic models for neuroimages in a clinical setting. <i>Npj Digital Medicine</i> , 2023, 6, . | 5.7 | 7 |
| 749 | Machine Learning for Neurodevelopmental Disorders. <i>Neuroinformatics</i> , 2023, , 977-1007. | 0.2 | 0 |
| 752 | Computational Cognitive Neuroscience Framework to Co-Design Virtual Reality Games With Autistic Adults. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2023, , 52-94. | 0.2 | 0 |
| 755 | Neurodevelopmental disorders. , 2023, , . | | 0 |
| 764 | Neurobiology of Autism Spectrum Disorder. , 2023, , 1-38. | | 0 |
| 770 | Disentangling Site Effects with Cycle-Consistent Adversarial Autoencoder for Multi-site Cortical Data Harmonization. <i>Lecture Notes in Computer Science</i> , 2023, , 369-379. | 1.0 | 0 |
| 776 | Neurodevelopmental Aspects of Behavioural Differences II. <i>Autism Spectrum Disorder (ASD)</i> . , 2023, , 353-416. | | 0 |
| 777 | IcoConv: Explainable Brain Cortical Surface Analysis for ASD Classification. <i>Lecture Notes in Computer Science</i> , 2023, , 248-258. | 1.0 | 0 |
| 783 | Autismus-Spektrum-Störungen bei Kindern und Jugendlichen. <i>Springer Reference Medizin</i> , 2022, , 1-23. | 0.0 | 0 |
| 789 | Identification of ASD via Graph Convolutional Network with Visual Semantic Encoding of Saccade. , 2023, , . | | 0 |
| 792 | Autism Spectrum Disorder (ASD). , 2024, , . | | 0 |