

Anthony James Barkovich

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

13,067
citations

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136
docs citations

136
times ranked

15277
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The clinicopathologic spectrum of focal cortical dysplasias: A consensus classification proposed by an ad hoc Task Force of the ILAE Diagnostic Methods Commission ¹ . <i>Epilepsia</i> , 2011, 52, 158-174. | 2.6 | 1,454 |
| 2 | A developmental and genetic classification for malformations of cortical development: update 2012. <i>Brain</i> , 2012, 135, 1348-1369. | 3.7 | 849 |
| 3 | Abnormal Brain Development in Newborns with Congenital Heart Disease. <i>New England Journal of Medicine</i> , 2007, 357, 1928-1938. | 13.9 | 734 |
| 4 | Patterns of brain injury in term neonatal encephalopathy. <i>Journal of Pediatrics</i> , 2005, 146, 453-460. | 0.9 | 487 |
| 5 | Somatic Activation of AKT3 Causes Hemispheric Developmental Brain Malformations. <i>Neuron</i> , 2012, 74, 41-48. | 3.8 | 413 |
| 6 | Temporal and Anatomic Risk Profile of Brain Injury With Neonatal Repair of Congenital Heart Defects. <i>Stroke</i> , 2007, 38, 736-741. | 1.0 | 336 |
| 7 | Identification of "Premyelination" by Diffusion-Weighted MRI. <i>Journal of Computer Assisted Tomography</i> , 1995, 19, 28-33. | 0.5 | 313 |
| 8 | Serial quantitative diffusion tensor MRI of the premature brain: Development in newborns with and without injury. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 16, 621-632. | 1.9 | 305 |
| 9 | Clinical, genetic and imaging findings identify new causes for corpus callosum development syndromes. <i>Brain</i> , 2014, 137, 1579-1613. | 3.7 | 278 |
| 10 | Mutations in PNKP cause microcephaly, seizures and defects in DNA repair. <i>Nature Genetics</i> , 2010, 42, 245-249. | 9.4 | 268 |
| 11 | Mutations in WDR62, encoding a centrosome-associated protein, cause microcephaly with simplified gyri and abnormal cortical architecture. <i>Nature Genetics</i> , 2010, 42, 1015-1020. | 9.4 | 259 |
| 12 | Somatic Mutations Activating the mTOR Pathway in Dorsal Telencephalic Progenitors Cause a Continuum of Cortical Dysplasias. <i>Cell Reports</i> , 2017, 21, 3754-3766. | 2.9 | 247 |
| 13 | Neural Stem Cell Engraftment and Myelination in the Human Brain. <i>Science Translational Medicine</i> , 2012, 4, 155ra137. | 5.8 | 238 |
| 14 | Mammalian target of rapamycin pathway mutations cause hemimegalencephaly and focal cortical dysplasia. <i>Annals of Neurology</i> , 2015, 77, 720-725. | 2.8 | 235 |
| 15 | An siRNA-based functional genomics screen for the identification of regulators of ciliogenesis and ciliopathy genes. <i>Nature Cell Biology</i> , 2015, 17, 1074-1087. | 4.6 | 215 |
| 16 | Molar tooth sign of the midbrain-hindbrain junction: Occurrence in multiple distinct syndromes. <i>American Journal of Medical Genetics Part A</i> , 2004, 125A, 125-134. | 2.4 | 213 |
| 17 | Comparing the diagnosis of white matter injury in premature newborns with serial MR imaging and transfontanel ultrasonography findings. <i>American Journal of Neuroradiology</i> , 2003, 24, 1661-9. | 1.2 | 204 |
| 18 | Brain injury and development in newborns with critical congenital heart disease. <i>Neurology</i> , 2013, 81, 241-248. | 1.5 | 191 |

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|----|---|-----|-----------|
| 19 | Focal transmantle dysplasia: A specific malformation of cortical development. <i>Neurology</i> , 1997, 49, 1148-1152. | 1.5 | 173 |
| 20 | Brain involvement in muscular dystrophies with defective dystroglycan glycosylation. <i>Annals of Neurology</i> , 2008, 64, 573-582. | 2.8 | 172 |
| 21 | Gray matter heterotopia. <i>Neurology</i> , 2000, 55, 1603-1608. | 1.5 | 166 |
| 22 | Anomalies of the Corpus Callosum: An MR Analysis of the Phenotypic Spectrum of Associated Malformations. <i>American Journal of Roentgenology</i> , 2006, 187, 1343-1348. | 1.0 | 162 |
| 23 | Risk of Recurrent Arterial Ischemic Stroke in Childhood. <i>Stroke</i> , 2016, 47, 53-59. | 1.0 | 138 |
| 24 | Hypomyelinating leukodystrophies: Translational research progress and prospects. <i>Annals of Neurology</i> , 2014, 76, 5-19. | 2.8 | 132 |
| 25 | Comparing microstructural and macrostructural development of the cerebral cortex in premature newborns: Diffusion tensor imaging versus cortical gyration. <i>NeuroImage</i> , 2005, 27, 579-586. | 2.1 | 130 |
| 26 | Arteriopathy Diagnosis in Childhood Arterial Ischemic Stroke. <i>Stroke</i> , 2014, 45, 3597-3605. | 1.0 | 130 |
| 27 | The spectrum of lissencephaly: Report of ten patients analyzed by magnetic resonance imaging. <i>Annals of Neurology</i> , 1991, 30, 139-146. | 2.8 | 129 |
| 28 | Phased array detectors and an automated intensity-correction algorithm for high-resolution MR imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 1995, 34, 433-439. | 1.9 | 126 |
| 29 | Genotype-phenotype analysis of human frontoparietal polymicrogyria syndromes. <i>Annals of Neurology</i> , 2005, 58, 680-687. | 2.8 | 124 |
| 30 | Cerebellar Hemorrhage on Magnetic Resonance Imaging in Preterm Newborns Associated with Abnormal Neurologic Outcome. <i>Journal of Pediatrics</i> , 2011, 158, 245-250. | 0.9 | 124 |
| 31 | The middle interhemispheric variant of holoprosencephaly. <i>American Journal of Neuroradiology</i> , 2002, 23, 151-6. | 1.2 | 122 |
| 32 | Pathogenic DDX3X Mutations Impair RNA Metabolism and Neurogenesis during Fetal Cortical Development. <i>Neuron</i> , 2020, 106, 404-420.e8. | 3.8 | 121 |
| 33 | Current concepts of polymicrogyria. <i>Neuroradiology</i> , 2010, 52, 479-487. | 1.1 | 117 |
| 34 | Association of Prenatal Diagnosis of Critical Congenital Heart Disease With Postnatal Brain Development and the Risk of Brain Injury. <i>JAMA Pediatrics</i> , 2016, 170, e154450. | 3.3 | 117 |
| 35 | Sodium Channel SCN3A (NaV1.3) Regulation of Human Cerebral Cortical Folding and Oral Motor Development. <i>Neuron</i> , 2018, 99, 905-913.e7. | 3.8 | 109 |
| 36 | Neurocutaneous Melanosis in Association with the Dandy-Walker Complex. <i>Pediatric Dermatology</i> , 1992, 9, 37-43. | 0.5 | 105 |

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|----|--|-----|-----------|
| 37 | Malformations of Cortical Development and Epilepsy. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a022392-a022392. | 2.9 | 104 |
| 38 | Lissencephaly: Expanded imaging and clinical classification. American Journal of Medical Genetics, Part A, 2017, 173, 1473-1488. | 0.7 | 104 |
| 39 | Infection, vaccination, and childhood arterial ischemic stroke. Neurology, 2015, 85, 1459-1466. | 1.5 | 100 |
| 40 | De novo mutations in KIF1A cause progressive encephalopathy and brain atrophy. Annals of Clinical and Translational Neurology, 2015, 2, 623-635. | 1.7 | 96 |
| 41 | Malformations of cortical development. Annals of Neurology, 2016, 80, 797-810. | 2.8 | 95 |
| 42 | Shared genetic risk between corticobasal degeneration, progressive supranuclear palsy, and frontotemporal dementia. Acta Neuropathologica, 2017, 133, 825-837. | 3.9 | 90 |
| 43 | Clinical and Imaging Characteristics of Arteriopathy Subtypes in Children with Arterial Ischemic Stroke: Results of the VIPS Study. American Journal of Neuroradiology, 2017, 38, 2172-2179. | 1.2 | 89 |
| 44 | Early postnatal docosahexaenoic acid levels and improved preterm brain development. Pediatric Research, 2016, 79, 723-730. | 1.1 | 84 |
| 45 | Neonatal Brain Injury and Timing of Neurodevelopmental Assessment in Patients With Congenital Heart Disease. Journal of the American College of Cardiology, 2018, 71, 1986-1996. | 1.2 | 83 |
| 46 | The Contribution of the Corpus Callosum to Language Lateralization. Journal of Neuroscience, 2016, 36, 4522-4533. | 1.7 | 77 |
| 47 | A developmental classification of malformations of the brainstem. Annals of Neurology, 2007, 62, 625-639. | 2.8 | 75 |
| 48 | Autism and developmental disability caused by <i>KCNQ3</i> gain-of-function variants. Annals of Neurology, 2019, 86, 181-192. | 2.8 | 73 |
| 49 | De Novo Mutations of RERE Cause a Genetic Syndrome with Features that Overlap Those Associated with Proximal 1p36 Deletions. American Journal of Human Genetics, 2016, 98, 963-970. | 2.6 | 67 |
| 50 | CXCR4 involvement in neurodegenerative diseases. Translational Psychiatry, 2018, 8, 73. | 2.4 | 66 |
| 51 | Astroglial-Mediated Remodeling of the Interhemispheric Midline Is Required for the Formation of the Corpus Callosum. Cell Reports, 2016, 17, 735-747. | 2.9 | 64 |
| 52 | Biallelic mutations in human DCC cause developmental split-brain syndrome. Nature Genetics, 2017, 49, 606-612. | 9.4 | 62 |
| 53 | The association between cardiac physiology, acquired brain injury, and postnatal brain growth in critical congenital heart disease. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 291-300.e3. | 0.4 | 61 |
| 54 | Redefining the Etiologic Landscape of Cerebellar Malformations. American Journal of Human Genetics, 2019, 105, 606-615. | 2.6 | 61 |

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|----|---|-----|-----------|
| 55 | Mutations in PYCR2, Encoding Pyrroline-5-Carboxylate Reductase 2, Cause Microcephaly and Hypomyelination. <i>American Journal of Human Genetics</i> , 2015, 96, 709-719. | 2.6 | 60 |
| 56 | White matter injury in term neonates with congenital heart diseases: Topology & comparison with preterm newborns. <i>NeuroImage</i> , 2019, 185, 742-749. | 2.1 | 60 |
| 57 | Disorders of Microtubule Function in Neurons: Imaging Correlates. <i>American Journal of Neuroradiology</i> , 2016, 37, 528-535. | 1.2 | 56 |
| 58 | Association of Histologic Chorioamnionitis With Perinatal Brain Injury and Early Childhood Neurodevelopmental Outcomes Among Preterm Neonates. <i>JAMA Pediatrics</i> , 2018, 172, 534. | 3.3 | 55 |
| 59 | Challenges in pediatric neuroimaging. <i>NeuroImage</i> , 2019, 185, 793-801. | 2.1 | 54 |
| 60 | Diminished White Matter Injury over Time in a Cohort of Premature Newborns. <i>Journal of Pediatrics</i> , 2015, 166, 39-43. | 0.9 | 53 |
| 61 | Pediatric neuro MRI: tricks to minimize sedation. <i>Pediatric Radiology</i> , 2018, 48, 50-55. | 1.1 | 53 |
| 62 | Magnetic resonance imaging compatible neonate incubator. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 117-128. | 1.3 | 52 |
| 63 | Antenatal Exposure to Magnesium Sulfate Is Associated with Reduced Cerebellar Hemorrhage in Preterm Newborns. <i>Journal of Pediatrics</i> , 2016, 178, 68-74. | 0.9 | 52 |
| 64 | Mutations in mitochondrial enzyme GPT2 cause metabolic dysfunction and neurological disease with developmental and progressive features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5598-607. | 3.3 | 51 |
| 65 | Quantitative surface analysis of combined MRI and PET enhances detection of focal cortical dysplasias. <i>NeuroImage</i> , 2018, 166, 10-18. | 2.1 | 49 |
| 66 | Transmantle sign in focal cortical dysplasia: a unique radiological entity with excellent prognosis for seizure control. <i>Journal of Neurosurgery</i> , 2013, 118, 337-344. | 0.9 | 47 |
| 67 | Comprehensive EMX2 genotyping of a large schizencephaly case series. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 1313-1316. | 0.7 | 46 |
| 68 | Maternal or neonatal infection: association with neonatal encephalopathy outcomes. <i>Pediatric Research</i> , 2014, 76, 93-99. | 1.1 | 45 |
| 69 | Developmental disorders of the midbrain and hindbrain. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 7. | 0.9 | 40 |
| 70 | Deficient activity of alanyl-tRNA synthetase underlies an autosomal recessive syndrome of progressive microcephaly, hypomyelination, and epileptic encephalopathy. <i>Human Mutation</i> , 2017, 38, 1348-1354. | 1.1 | 40 |
| 71 | Integrated genome and transcriptome sequencing identifies a noncoding mutation in the genome replication factor <i>DONSON</i> as the cause of microcephaly-micromelia syndrome. <i>Genome Research</i> , 2017, 27, 1323-1335. | 2.4 | 40 |
| 72 | Disrupted glutamate-glutamine cycle in acute encephalopathy with biphasic seizures and late reduced diffusion. <i>Neuroradiology</i> , 2015, 57, 1163-1168. | 1.1 | 39 |

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|----|---|-----|-----------|
| 73 | New insights into neurocutaneous melanosis. <i>Pediatric Radiology</i> , 2018, 48, 1786-1796. | 1.1 | 39 |
| 74 | MRI analysis of sulcation morphology in polymicrogyria. <i>Epilepsia</i> , 2010, 51, 17-22. | 2.6 | 37 |
| 75 | NEOCIVET: Towards accurate morphometry of neonatal gyrification and clinical applications in preterm newborns. <i>NeuroImage</i> , 2016, 138, 28-42. | 2.1 | 37 |
| 76 | Novel loss-of-function variants in <i>DIAPH1</i> associated with syndromic microcephaly, blindness, and early onset seizures. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 435-440. | 0.7 | 36 |
| 77 | Analysis of the cerebral cortex in holoprosencephaly with attention to the sylvian fissures. <i>American Journal of Neuroradiology</i> , 2002, 23, 143-50. | 1.2 | 35 |
| 78 | Long-Term Safety, Immunologic Response, and Imaging Outcomes following Neural Stem Cell Transplantation for Pelizaeus-Merzbacher Disease. <i>Stem Cell Reports</i> , 2019, 13, 254-261. | 2.3 | 34 |
| 79 | Subcortical heterotopic gray matter brain malformations. <i>Neurology</i> , 2019, 93, e1360-e1373. | 1.5 | 33 |
| 80 | Impaired cognitive performance in premature newborns with two or more surgeries prior to term-equivalent age. <i>Pediatric Research</i> , 2015, 78, 323-329. | 1.1 | 32 |
| 81 | Schizencephaly. <i>Journal of Child Neurology</i> , 2013, 28, 198-203. | 0.7 | 30 |
| 82 | Hindbrain regional growth in preterm newborns and its impairment in relation to brain injury. <i>Human Brain Mapping</i> , 2016, 37, 678-688. | 1.9 | 29 |
| 83 | Neuroimaging in disorders of cortical development. <i>Neuroimaging Clinics of North America</i> , 2004, 14, 231-254. | 0.5 | 28 |
| 84 | Surgical management of medically refractory epilepsy in patients with polymicrogyria. <i>Epilepsia</i> , 2016, 57, 151-161. | 2.6 | 28 |
| 85 | Early changes in brain structure correlate with language outcomes in children with neonatal encephalopathy. <i>NeuroImage: Clinical</i> , 2017, 15, 572-580. | 1.4 | 27 |
| 86 | Neuroimaging in perinatal hypoxic-ischemic injury. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 1997, 3, 28-41. | 3.5 | 26 |
| 87 | De novo PIK3R2 variant causes polymicrogyria, corpus callosum hyperplasia and focal cortical dysplasia. <i>European Journal of Human Genetics</i> , 2016, 24, 1359-1362. | 1.4 | 26 |
| 88 | Hypomyelinating disorders: An MRI approach. <i>Neurobiology of Disease</i> , 2016, 87, 50-58. | 2.1 | 26 |
| 89 | Expanding the Distinctive Neuroimaging Phenotype of <i>ACTA2</i> Mutations. <i>American Journal of Neuroradiology</i> , 2018, 39, 2126-2131. | 1.2 | 24 |
| 90 | Fetal brain growth and risk of postnatal white matter injury in critical congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1007-1014.e1. | 0.4 | 24 |

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|-----|--|-----|-----------|
| 91 | A Machine Learning Approach to Automated Structural Network Analysis: Application to Neonatal Encephalopathy. <i>PLoS ONE</i> , 2013, 8, e78824. | 1.1 | 23 |
| 92 | <i>PSMD12</i> haploinsufficiency in a neurodevelopmental disorder with autistic features. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 177, 736-745. | 1.1 | 23 |
| 93 | Early changes in pro-inflammatory cytokine levels in neonates with encephalopathy are associated with remote epilepsy. <i>Pediatric Research</i> , 2019, 86, 616-621. | 1.1 | 23 |
| 94 | Brain without Anatomy: Construction and Comparison of Fully Network-Driven Structural MRI Connectomes. <i>PLoS ONE</i> , 2014, 9, e96196. | 1.1 | 23 |
| 95 | Characterization of Death in Neonatal Encephalopathy in the Hypothermia Era. <i>Journal of Child Neurology</i> , 2017, 32, 360-365. | 0.7 | 22 |
| 96 | Different patterns of cerebellar abnormality and hypomyelination between <i>POLR3A</i> and <i>POLR3B</i> mutations. <i>Brain and Development</i> , 2014, 36, 259-263. | 0.6 | 21 |
| 97 | Neuroimaging in the term newborn with neonatal encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101304. | 1.1 | 21 |
| 98 | The Developmental Brain Disorders Database (DBDB): A curated neurogenetics knowledge base with clinical and research applications. <i>American Journal of Medical Genetics, Part A</i> , 2014, 164, 1503-1511. | 0.7 | 20 |
| 99 | Identification of a novel <i>CNTNAP1</i> mutation causing arthrogryposis multiplex congenita with cerebral and cerebellar atrophy. <i>European Journal of Medical Genetics</i> , 2017, 60, 245-249. | 0.7 | 20 |
| 100 | Early role for a Na ⁺ ,K ⁺ -ATPase (<i>ATP1A3</i>) in brain development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 20 |
| 101 | Postnatal polyunsaturated fatty acids associated with larger preterm brain tissue volumes and better outcomes. <i>Pediatric Research</i> , 2018, 83, 93-101. | 1.1 | 19 |
| 102 | Disruption and Compensation of Sulcation-based Covariance Networks in Neonatal Brain Growth after Perinatal Injury. <i>Cerebral Cortex</i> , 2020, 30, 6238-6253. | 1.6 | 19 |
| 103 | Posterior Neocortex-Specific Regulation of Neuronal Migration by CEP85L Identifies Maternal Centriole-Dependent Activation of CDK5. <i>Neuron</i> , 2020, 106, 246-255.e6. | 3.8 | 19 |
| 104 | Early Identification of Cerebral Palsy Using Neonatal MRI and General Movements Assessment in a Cohort of High-Risk Term Neonates. <i>Pediatric Neurology</i> , 2021, 118, 20-25. | 1.0 | 19 |
| 105 | Cerebellar hypoplasia of prematurity: Causes and consequences. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2019, 162, 201-216. | 1.0 | 18 |
| 106 | Microstructure of the Default Mode Network in Preterm Infants. <i>American Journal of Neuroradiology</i> , 2017, 38, 343-348. | 1.2 | 17 |
| 107 | Bronchopulmonary dysplasia precursors influence risk of white matter injury and adverse neurodevelopmental outcome in preterm infants. <i>Pediatric Research</i> , 2021, 90, 359-365. | 1.1 | 14 |
| 108 | Early Magnetic Resonance Imaging Predicts 30-Month Outcomes after Therapeutic Hypothermia for Neonatal Encephalopathy. <i>Journal of Pediatrics</i> , 2021, 238, 94-101.e1. | 0.9 | 14 |

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|-----|---|-----|-----------|
| 109 | Systemic spread of meconium peritonitis. <i>Pediatric Radiology</i> , 1998, 28, 714-716. | 1.1 | 13 |
| 110 | Regionally specific TSC1 and TSC2 gene expression in tuberous sclerosis complex. <i>Scientific Reports</i> , 2018, 8, 13373. | 1.6 | 13 |
| 111 | Regulation of human cerebral cortical development by EXOC7 and EXOC8, components of the exocyst complex, and roles in neural progenitor cell proliferation and survival. <i>Genetics in Medicine</i> , 2020, 22, 1040-1050. | 1.1 | 13 |
| 112 | Increased N -acetylaspartate in model mouse of pelizaeusâ€merzbacher disease. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 418-425. | 1.9 | 12 |
| 113 | Abnormal Morphology of Select Cortical and Subcortical Regions in Neurofibromatosis Type 1. <i>Radiology</i> , 2018, 289, 499-508. | 3.6 | 12 |
| 114 | MR Imaging of Normal Brain Development. <i>Neuroimaging Clinics of North America</i> , 2019, 29, 325-337. | 0.5 | 12 |
| 115 | Reprint of â€œHypomyelinating disorders: An MRI approach. <i>Neurobiology of Disease</i> , 2016, 92, 46-54. | 2.1 | 11 |
| 116 | Neurochemistry in shiverer mouse depicted on MR spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1550-1557. | 1.9 | 10 |
| 117 | Robust Cortical Thickness Morphometry of Neonatal Brain and Systematic Evaluation Using Multi-Site MRI Datasets. <i>Frontiers in Neuroscience</i> , 2021, 15, 650082. | 1.4 | 10 |
| 118 | Long-term cognitive outcomes in term newborns with watershed injury caused by neonatal encephalopathy. <i>Pediatric Research</i> , 2022, 92, 505-512. | 1.1 | 10 |
| 119 | A Metabolomics Study of Hypoxia Ischemia during Mouse Brain Development Using Hyperpolarized ^{13}C . <i>Developmental Neuroscience</i> , 2020, 42, 49-58. | 1.0 | 8 |
| 120 | De novo variants in $SUPT16H$ cause neurodevelopmental disorders associated with corpus callosum abnormalities. <i>Journal of Medical Genetics</i> , 2020, 57, 461-465. | 1.5 | 7 |
| 121 | The Effect of Size and Asymmetry at Birth on Brain Injury and Neurodevelopmental Outcomes in Congenital Heart Disease. <i>Pediatric Cardiology</i> , 2022, 43, 868-877. | 0.6 | 7 |
| 122 | Microstructural maturation of white matter tracts in encephalopathic neonates. <i>Clinical Imaging</i> , 2016, 40, 1009-1013. | 0.8 | 6 |
| 123 | Monoallelic and biallelic mutations in $RELN$ underlie a graded series of neurodevelopmental disorders. <i>Brain</i> , 2022, 145, 3274-3287. | 3.7 | 6 |
| 124 | Hazards of Neurological Nomenclature. <i>JAMA Neurology</i> , 2017, 74, 1165. | 4.5 | 5 |
| 125 | Aberrant Structural Brain Connectivity in Adolescents with Attentional Problems Who Were Born Prematurely. <i>American Journal of Neuroradiology</i> , 2018, 39, 2140-2147. | 1.2 | 5 |
| 126 | Plasma cholesterol levels and brain development in preterm newborns. <i>Pediatric Research</i> , 2019, 85, 299-304. | 1.1 | 4 |

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|-----|---|-----|-----------|
| 127 | A proposed magnetic resonance imaging grading system for the spectrum of central neonatal parasagittal hypoxic-ischaemic brain injury. <i>Insights Into Imaging</i> , 2022, 13, 11. | 1.6 | 4 |
| 128 | Thalamus L-Sign: A Potential Biomarker of Neonatal Partial, Prolonged Hypoxic-Ischemic Brain Injury or Hypoglycemic Encephalopathy?. <i>American Journal of Neuroradiology</i> , 2022, 43, 919-925. | 1.2 | 4 |
| 129 | Imaging of the Newborn Brain. <i>Seminars in Pediatric Neurology</i> , 2019, 32, 100766. | 1.0 | 3 |
| 130 | Cyto/myeloarchitecture of cortical gray matter and superficial white matter in early neurodevelopment: multimodal MRI study in preterm neonates. <i>Cerebral Cortex</i> , 2022, 33, 357-373. | 1.6 | 3 |
| 131 | Technical and practical tips for performing brain magnetic resonance imaging in premature neonates. <i>Seminars in Perinatology</i> , 2021, 45, 151468. | 1.1 | 2 |
| 132 | Magnetic resonance imaging confirms periventricular venous infarction in a term-born child with congenital hemiplegia. <i>Developmental Medicine and Child Neurology</i> , 2007, 47, 706-708. | 1.1 | 1 |
| 133 | A Web-based System to Assist With Etiology Differential Diagnosis in Children With Arterial Ischemic Stroke. <i>Topics in Magnetic Resonance Imaging</i> , 2021, 30, 253-257. | 0.7 | 1 |
| 134 | Misleading Public Statements About COVID-19. <i>Journal of the American College of Radiology</i> , 2021, 18, 6-7. | 0.9 | 0 |
| 135 | Congenital Visual Field Loss from a Schizencephalic Cleft Damaging Meyer's Loop. <i>Neuro-Ophthalmology</i> , 2021, 45, 277-280. | 0.4 | 0 |