

Arastoo Vossough

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,235
citations

304743

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243625

44
g-index

92
all docs

92
docs citations

92
times ranked

3626
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Cerebral Blood Flow of the Neonatal Brain after Hypoxic-Ischemic Injury. American Journal of Perinatology, 2023, 40, 475-488. | 1.4 | 8 |
| 2 | Automatic Segmentation of Bone Selective MR Images for Visualization and Craniometry of the Cranial Vault. Academic Radiology, 2022, 29, S98-S106. | 2.5 | 2 |
| 3 | Arterial spin labeling as an ancillary assessment to postoperative conventional angiogram in pediatric moyamoya disease. Journal of Neurosurgery: Pediatrics, 2022, 29, 40-47. | 1.3 | 1 |
| 4 | Collateral Protection. Neurology, 2022, 98, 135-136. | 1.1 | 0 |
| 5 | Sepsis-Related Brain MRI Abnormalities Are Associated With Mortality and Poor Neurological Outcome in Pediatric Sepsis. Pediatric Neurology, 2022, 128, 1-8. | 2.1 | 4 |
| 6 | Reversible Cerebral Vasoconstriction Syndrome and Multisystem Inflammatory Syndrome in Children With COVID-19. Pediatric Neurology, 2022, 129, 1-6. | 2.1 | 15 |
| 7 | Radiographic and histologic characterisation of white matter injury in a sheep model of CHD. Cardiology in the Young, 2022, , 1-5. | 0.8 | 0 |
| 8 | Age-related topographic map of magnetic resonance diffusion metrics in neonatal brains. Human Brain Mapping, 2022, 43, 4326-4334. | 3.6 | 8 |
| 9 | Radiomics and radiogenomics in pediatric neuro-oncology: A review. Neuro-Oncology Advances, 2022, 4, . | 0.7 | 9 |
| 10 | LGG-52. Volumetry-based response characterization of recurrent pediatric low-grade gliomas in PNO clinical Neuro-oncology trials. Neuro-Oncology, 2022, 24, i100-i100. | 1.2 | 0 |
| 11 | IMG-15. Radiomic Profiling of Pediatric Low-Grade Glioma Improves Risk Stratification Beyond Clinical Measures. Neuro-Oncology, 2022, 24, i80-i80. | 1.2 | 0 |
| 12 | Arterial Spin-Labeling Perfusion for PHACE Syndrome. American Journal of Neuroradiology, 2021, 42, 173-177. | 2.4 | 3 |
| 13 | Anatomical Variations, Mimics, and Pitfalls in Imaging of Patients with Epilepsy. Journal of Neuroimaging, 2021, 31, 20-34. | 2.0 | 1 |
| 14 | Spinal Cord Infarct Due to Fibrocartilaginous Embolism. Neuropediatrics, 2021, 52, 224-225. | 0.6 | 1 |
| 15 | Late-Onset Aicardi-Goutières Syndrome: A Characterization of Presenting Clinical Features. Pediatric Neurology, 2021, 115, 1-6. | 2.1 | 18 |
| 16 | Reply to "Pediatric Leigh Syndrome: Neuroimaging Features and Genetic Correlations". Annals of Neurology, 2021, 89, 631-633. | 5.3 | 0 |
| 17 | A Diagnostic Algorithm for Posterior Fossa Tumors in Children: A Validation Study. American Journal of Neuroradiology, 2021, 42, 961-968. | 2.4 | 7 |
| 18 | Genetic and Clinical Predictors of Ataxia in Pediatric Primary Mitochondrial Disorders. Cerebellum, 2021, , 1. | 2.5 | 0 |

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|----|--|-----|-----------|
| 19 | Intracranial Traumatic Hematoma Detection in Children Using a Portable Near-infrared Spectroscopy Device. <i>Western Journal of Emergency Medicine</i> , 2021, 22, 782-791. | 1.1 | 3 |
| 20 | Benign longitudinal T2-hyperintense signal in the lateral cord in infancy: a cross-sectional study of spinal cord white matter maturation on magnetic resonance imaging. <i>Pediatric Radiology</i> , 2021, 51, 2069-2076. | 2.0 | 0 |
| 21 | Neuroaxial Infantile Hemangiomas: Imaging Manifestations and Association with Hemangioma Syndromes. <i>American Journal of Neuroradiology</i> , 2021, 42, 1520-1527. | 2.4 | 3 |
| 22 | Machine Assist for Pediatric Posterior Fossa Tumor Diagnosis: A Multinational Study. <i>Neurosurgery</i> , 2021, 89, 892-900. | 1.1 | 8 |
| 23 | Joint Modeling of RNAseq and Radiomics Data for Glioma Molecular Characterization and Prediction. <i>Frontiers in Medicine</i> , 2021, 8, 705071. | 2.6 | 3 |
| 24 | Association of Pediatric ASPECTS and NIH Stroke Scale, Hemorrhagic Transformation, and 12-Month Outcome in Children With Acute Ischemic Stroke. <i>Neurology</i> , 2021, 97, . | 1.1 | 7 |
| 25 | Longitudinally extensive transverse myelitis as a sign of multisystem inflammatory syndrome following COVID-19 infection: A pediatric case report. <i>Journal of Neuroimmunology</i> , 2021, 360, 577704. | 2.3 | 7 |
| 26 | Association of MRI Brain Injury With Outcome After Pediatric Out-of-Hospital Cardiac Arrest. <i>Neurology</i> , 2021, 96, e719-e731. | 1.1 | 16 |
| 27 | Comparison of Spinal Cord Magnetic Resonance Imaging Features Among Children With Acquired Demyelinating Syndromes. <i>JAMA Network Open</i> , 2021, 4, e2128871. | 5.9 | 27 |
| 28 | Physiologic Timeline of Cranial-Base Suture and Synchronosis Closure. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 973e-982e. | 1.4 | 6 |
| 29 | Involvement of the Spinal Cord in Primary Mitochondrial Disorders: A Neuroimaging Mimicker of Inflammation and Ischemia in Children. <i>American Journal of Neuroradiology</i> , 2021, 42, 389-396. | 2.4 | 6 |
| 30 | Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. <i>BMJ Open</i> , 2021, 11, e043852. | 1.9 | 1 |
| 31 | Advanced Magnetic Resonance Imaging in Pediatric Glioblastomas. <i>Frontiers in Neurology</i> , 2021, 12, 733323. | 2.4 | 11 |
| 32 | Validation of Sonographic Fronto-Occipital Ratio Based on Anatomical Landmarks Compared to MR/CT-Derived Indexes in Children with Chiari II and Ventriculomegaly. <i>Pediatric Neurosurgery</i> , 2021, , . | 0.7 | 0 |
| 33 | The impact of expanded endonasal skull base surgery on midfacial growth in pediatric patients. <i>Laryngoscope</i> , 2020, 130, 338-342. | 2.0 | 17 |
| 34 | Ex Utero Extracorporeal Support as a Model for Fetal Hypoxia and Brain Dysmaturity. <i>Annals of Thoracic Surgery</i> , 2020, 109, 810-819. | 1.3 | 13 |
| 35 | Longitudinal brain tumor segmentation prediction in MRI using feature and label fusion. <i>Biomedical Signal Processing and Control</i> , 2020, 55, 101648. | 5.7 | 42 |
| 36 | An Important Pediatric Stroke Mimic: Hemiplegic Migraine. <i>Canadian Journal of Neurological Sciences</i> , 2020, 47, 235-236. | 0.5 | 2 |

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|----|---|-----|-----------|
| 37 | Predicting pediatric optic pathway glioma progression using advanced magnetic resonance image analysis and machine learning. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa090. | 0.7 | 4 |
| 38 | Intracranial calcifications in childhood: Part 1. <i>Pediatric Radiology</i> , 2020, 50, 1424-1447. | 2.0 | 16 |
| 39 | Cerebral Pulsed Arterial Spin Labeling Perfusion Weighted Imaging Predicts Language and Motor Outcomes in Neonatal Hypoxic-Ischemic Encephalopathy. <i>Frontiers in Pediatrics</i> , 2020, 8, 576489. | 1.9 | 9 |
| 40 | Primary Mitochondrial Disorders of the Pediatric Central Nervous System: Neuroimaging Findings. <i>Radiographics</i> , 2020, 40, 2042-2067. | 3.3 | 19 |
| 41 | Updates in Pediatric Malignant Gliomas. <i>Topics in Magnetic Resonance Imaging</i> , 2020, 29, 83-94. | 1.2 | 5 |
| 42 | The Perirolandic Sign: A Unique Imaging Finding Observed in Association with Polymerase β -Related Disorders. <i>American Journal of Neuroradiology</i> , 2020, 41, 917-922. | 2.4 | 4 |
| 43 | Emerging Roles of PET/MR in the Pediatric Hospital. <i>PET Clinics</i> , 2020, 15, 253-269. | 3.0 | 3 |
| 44 | Focal Cerebral Arteriopathy in a Pediatric Patient with COVID-19. <i>Radiology</i> , 2020, 297, E274-E275. | 7.3 | 74 |
| 45 | Phenotypic and Imaging Spectrum Associated With WDR45. <i>Pediatric Neurology</i> , 2020, 109, 56-62. | 2.1 | 16 |
| 46 | Intracranial calcifications in childhood: Part 2. <i>Pediatric Radiology</i> , 2020, 50, 1448-1475. | 2.0 | 10 |
| 47 | A ten-year retrospective evaluation of acute flaccid myelitis at 5 pediatric centers in the United States, 2005-2014. <i>PLoS ONE</i> , 2020, 15, e0228671. | 2.5 | 5 |
| 48 | Neurologic outcomes of the premature lamb in an extrauterine environment for neonatal development. <i>Journal of Pediatric Surgery</i> , 2020, 55, 2115-2123. | 1.6 | 17 |
| 49 | Bone-Selective MRI as a Nonradiative Alternative to CT for Craniofacial Imaging. <i>Academic Radiology</i> , 2020, 27, 1515-1522. | 2.5 | 8 |
| 50 | Pediatric Leigh Syndrome: Neuroimaging Features and Genetic Correlations. <i>Annals of Neurology</i> , 2020, 88, 218-232. | 5.3 | 43 |
| 51 | Cerebrovascular Malformations in a Pediatric Hereditary Hemorrhagic Telangiectasia Cohort. <i>Pediatric Neurology</i> , 2020, 110, 49-54. | 2.1 | 8 |
| 52 | X-linked Charcot-Marie-Tooth Disease Presenting with Stuttering Stroke-like Symptoms. <i>Neuropediatrics</i> , 2019, 50, 304-307. | 0.6 | 6 |
| 53 | PET/MR Imaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2019, 27, 387-407. | 1.1 | 22 |
| 54 | Lack of choline elevation on proton magnetic resonance spectroscopy in grade III gliomas. <i>Neuroradiology Journal</i> , 2019, 32, 250-258. | 1.2 | 7 |

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|----|--|------|-----------|
| 55 | Use of Balanced Steady-State Free Precession Sequences in Evaluation of Drop Metastases. American Journal of Neuroradiology, 2019, 40, E20-E20. | 2.4 | 0 |
| 56 | Chronic intrauterine hypoxia alters neurodevelopment in fetal sheep. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1982-1991. | 0.8 | 36 |
| 57 | Endoscopic endonasal resection versus open surgery for pediatric craniopharyngioma: comparison of outcomes and complications. Journal of Neurosurgery: Pediatrics, 2019, 24, 236-245. | 1.3 | 36 |
| 58 | Ultradense Middle Cerebral Artery: Specific Sign of Cerebral Lipiodol Embolization. World Neurosurgery, 2018, 112, 254-256. | 1.3 | 4 |
| 59 | Complex care of individuals with multiple sulfatase deficiency: Clinical cases and consensus statement. Molecular Genetics and Metabolism, 2018, 123, 337-346. | 1.1 | 31 |
| 60 | Reduced Intercarotid Artery Distance in Syndromic and Isolated Brachycephaly. Pediatric Neurology, 2018, 79, 3-7. | 2.1 | 1 |
| 61 | CS-06â€¦Structural brain abnormalities in youth with systemic lupus erythematosus. , 2018, , . | | 0 |
| 62 | Serum GFAP and UCH-L1 for prediction of absence of intracranial injuries on head CT (ALERT-TBI): a multicentre observational study. Lancet Neurology, The, 2018, 17, 782-789. | 10.2 | 330 |
| 63 | The Potential for Advanced Magnetic Resonance Neuroimaging Techniques in Pediatric Stroke Research. Pediatric Neurology, 2017, 69, 24-36. | 2.1 | 8 |
| 64 | Clinical Predictors of Attention and Executive Functioning Outcomes in Children After Perinatal Arterial Ischemic Stroke. Pediatric Neurology, 2017, 69, 79-86. | 2.1 | 35 |
| 65 | Pathways for Neuroimaging of Neonatal Stroke. Pediatric Neurology, 2017, 69, 37-48. | 2.1 | 52 |
| 66 | Letter by Nabavizadeh et al Regarding Article, "Prediction of Bloodâ€œBrain Barrier Disruption and Intracerebral Hemorrhagic Infarction Using Arterial Spin-Labeling Magnetic Resonance Imagingâ€œ Stroke, 2017, 48, e112. | 2.0 | 0 |
| 67 | Neurological Injury and Cerebral Blood Flow in Single Ventricles Throughout Staged Surgical Reconstruction. Circulation, 2017, 135, 671-682. | 1.6 | 34 |
| 68 | Wallerian Degeneration Beyond the Corticospinal Tracts: Conventional and Advanced MRI Findings. Journal of Neuroimaging, 2017, 27, 272-280. | 2.0 | 37 |
| 69 | Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2017, 38, 218-229. | 2.4 | 457 |
| 70 | Evolution of Obstructive Sleep Apnea in Infants with Cleft Palate and Micrognathia. Journal of Clinical Sleep Medicine, 2016, 12, 979-987. | 2.6 | 24 |
| 71 | Metabolic, endocrine, and other genetic disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 136, 1221-1259. | 1.8 | 5 |
| 72 | Degos disease mimicking primary vasculitis of the CNS. Neurology: Neuroimmunology and NeuroInflammation, 2016, 3, e206. | 6.0 | 9 |

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|----|--|------|-----------|
| 73 | The Many Faces of Cerebral Developmental Venous Anomaly and Its Mimicks: Spectrum of Imaging Findings. <i>Journal of Neuroimaging</i> , 2016, 26, 463-472. | 2.0 | 13 |
| 74 | Reply. <i>Arthritis and Rheumatology</i> , 2016, 68, 263-264. | 5.6 | 3 |
| 75 | Cerebral Lipiodol Embolism after Lymphatic Embolization for Plastic Bronchitis. <i>Journal of Pediatrics</i> , 2016, 176, 200-203. | 1.8 | 27 |
| 76 | Neuroimaging in Central Nervous System Lymphoma. <i>Hematology/Oncology Clinics of North America</i> , 2016, 30, 799-821. | 2.2 | 39 |
| 77 | Utility of fat-suppressed sequences in differentiation of aggressive vs typical asymptomatic haemangioma of the spine. <i>British Journal of Radiology</i> , 2016, 89, 20150557. | 2.2 | 13 |
| 78 | Reversible Cerebral Vasoconstriction Syndrome vs Posterior Reversible Encephalopathy Syndrome. <i>JAMA Neurology</i> , 2016, 73, 606. | 9.0 | 3 |
| 79 | Early experience with X-ray magnetic resonance fusion for low-flow vascular malformations in the pediatric interventional radiology suite. <i>Pediatric Radiology</i> , 2016, 46, 413-421. | 2.0 | 3 |
| 80 | Comparison Between 1.5-T and 3-T MRI for Fetal Imaging: Is There an Advantage to Imaging With a Higher Field Strength?. <i>American Journal of Roentgenology</i> , 2016, 206, 195-201. | 2.2 | 63 |
| 81 | Ability of Serum Glial Fibrillary Acidic Protein, Ubiquitin C-Terminal Hydrolase-L1, and S100B To Differentiate Normal and Abnormal Head Computed Tomography Findings in Patients with Suspected Mild or Moderate Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2016, 33, 203-214. | 3.4 | 142 |
| 82 | Intracranial aneurysms in sickle cell anemia: clinical and imaging findings. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 434-440. | 3.3 | 29 |
| 83 | Pediatric cavernous sinus thrombosis. <i>Neurology</i> , 2015, 85, 763-769. | 1.1 | 46 |
| 84 | Plasticity of the human visual system after retinal gene therapy in patients with Leber's congenital amaurosis. <i>Science Translational Medicine</i> , 2015, 7, 296ra110. | 12.4 | 51 |
| 85 | Scoring system for periventricular leukomalacia in infants with congenital heart disease. <i>Pediatric Research</i> , 2015, 78, 304-309. | 2.3 | 18 |
| 86 | The Spheno-Occipital Sychondrosis Fuses Prematurely in Patients With Crouzon Syndrome and Midface Hypoplasia Compared With Age- and Gender-Matched Controls. <i>Journal of Oral and Maxillofacial Surgery</i> , 2014, 72, 1173-1179. | 1.2 | 40 |
| 87 | Imaging Findings of Patients with Metastatic Neuroblastoma to the Brain. <i>Academic Radiology</i> , 2014, 21, 329-337. | 2.5 | 18 |
| 88 | Development and Validation of a Semiquantitative Brain Maturation Score on Fetal MR Images: Initial Results. <i>Radiology</i> , 2013, 268, 200-207. | 7.3 | 22 |
| 89 | Red nucleus degeneration in hypertrophic olivary degeneration after pediatric posterior fossa tumor resection: use of susceptibility-weighted imaging (SWI). <i>Pediatric Radiology</i> , 2012, 42, 481-485. | 2.0 | 17 |
| 90 | Imaging findings of neonatal herpes simplex virus type 2 encephalitis. <i>Neuroradiology</i> , 2008, 50, 355-366. | 2.2 | 64 |