

Arastoo Vossough

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,235
citations

304743

22
h-index

243625

44
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92
all docs

92
docs citations

92
times ranked

3626
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. <i>American Journal of Neuroradiology</i> , 2017, 38, 218-229.	2.4	457
2	Serum GFAP and UCH-L1 for prediction of absence of intracranial injuries on head CT (ALERT-TBI): a multicentre observational study. <i>Lancet Neurology</i> , The, 2018, 17, 782-789.	10.2	330
3	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
4	Focal Cerebral Arteriopathy in a Pediatric Patient with COVID-19. <i>Radiology</i> , 2020, 297, E274-E275.	7.3	74
5	Imaging findings of neonatal herpes simplex virus type 2 encephalitis. <i>Neuroradiology</i> , 2008, 50, 355-366.	2.2	64
6	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
7	Pathways for Neuroimaging of Neonatal Stroke. <i>Pediatric Neurology</i> , 2017, 69, 37-48.	2.1	52
8	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
9	Pediatric cavernous sinus thrombosis. <i>Neurology</i> , 2015, 85, 763-769.	1.1	46
10	Pediatric Leigh Syndrome: Neuroimaging Features and Genetic Correlations. <i>Annals of Neurology</i> , 2020, 88, 218-232.	5.3	43
11	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
12	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
13	Neuroimaging in Central Nervous System Lymphoma. <i>Hematology/Oncology Clinics of North America</i> , 2016, 30, 799-821.	2.2	39
14	Wallerian Degeneration Beyond the Corticospinal Tracts: Conventional and Advanced MRI Findings. <i>Journal of Neuroimaging</i> , 2017, 27, 272-280.	2.0	37
15	Chronic intrauterine hypoxia alters neurodevelopment in fetal sheep. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1982-1991.	0.8	36
16	Endoscopic endonasal resection versus open surgery for pediatric craniopharyngioma: comparison of outcomes and complications. <i>Journal of Neurosurgery: Pediatrics</i> , 2019, 24, 236-245.	1.3	36
17	Clinical Predictors of Attention and Executive Functioning Outcomes in Children After Perinatal Arterial Ischemic Stroke. <i>Pediatric Neurology</i> , 2017, 69, 79-86.	2.1	35
18	Neurological Injury and Cerebral Blood Flow in Single Ventricles Throughout Staged Surgical Reconstruction. <i>Circulation</i> , 2017, 135, 671-682.	1.6	34

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19	Complex care of individuals with multiple sulfatase deficiency: Clinical cases and consensus statement. <i>Molecular Genetics and Metabolism</i> , 2018, 123, 337-346.	1.1	31
20	Intracranial aneurysms in sickle cell anemia: clinical and imaging findings. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 434-440.	3.3	29
21	Cerebral Lipiodol Embolism after Lymphatic Embolization for Plastic Bronchitis. <i>Journal of Pediatrics</i> , 2016, 176, 200-203.	1.8	27
22	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
23	Evolution of Obstructive Sleep Apnea in Infants with Cleft Palate and Micrognathia. <i>Journal of Clinical Sleep Medicine</i> , 2016, 12, 979-987.	2.6	24
24	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
25	PET/MR Imaging: Magnetic Resonance Imaging Clinics of North America, 2019, 27, 387-407.	1.1	22
26	Primary Mitochondrial Disorders of the Pediatric Central Nervous System: Neuroimaging Findings. <i>Radiographics</i> , 2020, 40, 2042-2067.	3.3	19
27	Imaging Findings of Patients with Metastatic Neuroblastoma to the Brain. <i>Academic Radiology</i> , 2014, 21, 329-337.	2.5	18
28	Scoring system for periventricular leukomalacia in infants with congenital heart disease. <i>Pediatric Research</i> , 2015, 78, 304-309.	2.3	18
29	Late-Onset Aicardi-Goutières Syndrome: A Characterization of Presenting Clinical Features. <i>Pediatric Neurology</i> , 2021, 115, 1-6.	2.1	18
30	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
31	The impact of expanded endonasal skull base surgery on midfacial growth in pediatric patients. <i>Laryngoscope</i> , 2020, 130, 338-342.	2.0	17
32	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
33	Intracranial calcifications in childhood: Part 1. <i>Pediatric Radiology</i> , 2020, 50, 1424-1447.	2.0	16
34	Phenotypic and Imaging Spectrum Associated With WDR45. <i>Pediatric Neurology</i> , 2020, 109, 56-62.	2.1	16
35	Association of MRI Brain Injury With Outcome After Pediatric Out-of-Hospital Cardiac Arrest. <i>Neurology</i> , 2021, 96, e719-e731.	1.1	16
36	Reversible Cerebral Vasoconstriction Syndrome and Multisystem Inflammatory Syndrome in Children With COVID-19. <i>Pediatric Neurology</i> , 2022, 129, 1-6.	2.1	15

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37	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
38	Utility of fat-suppressed sequences in differentiation of aggressive<i>vs</i>typical asymptomatic haemangioma of the spine. <i>British Journal of Radiology</i> , 2016, 89, 20150557.	2.2	13
39	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
40	Advanced Magnetic Resonance Imaging in Pediatric Glioblastomas. <i>Frontiers in Neurology</i> , 2021, 12, 733323.	2.4	11
41	Intracranial calcifications in childhood: Part 2. <i>Pediatric Radiology</i> , 2020, 50, 1448-1475.	2.0	10
42	Degos disease mimicking primary vasculitis of the CNS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e206.	6.0	9
43	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
44	Radiomics and radiogenomics in pediatric neuro-oncology: A review. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.7	9
45	The Potential for Advanced Magnetic Resonance Neuroimaging Techniques in Pediatric Stroke Research. <i>Pediatric Neurology</i> , 2017, 69, 24-36.	2.1	8
46	Bone-Selective MRI as a Nonradiative Alternative to CT for Craniofacial Imaging. <i>Academic Radiology</i> , 2020, 27, 1515-1522.	2.5	8
47	Cerebral Blood Flow of the Neonatal Brain after Hypoxic“Ischemic Injury. <i>American Journal of Perinatology</i> , 2023, 40, 475-488.	1.4	8
48	Machine Assist for Pediatric Posterior Fossa Tumor Diagnosis: A Multinational Study. <i>Neurosurgery</i> , 2021, 89, 892-900.	1.1	8
49	Cerebrovascular Malformations in a Pediatric Hereditary Hemorrhagic Telangiectasia Cohort. <i>Pediatric Neurology</i> , 2020, 110, 49-54.	2.1	8
50	Age“related topographic map of magnetic resonance diffusion metrics in neonatal brains. <i>Human Brain Mapping</i> , 2022, 43, 4326-4334.	3.6	8
51	Lack of choline elevation on proton magnetic resonance spectroscopy in grade I“III gliomas. <i>Neuroradiology Journal</i> , 2019, 32, 250-258.	1.2	7
52	A Diagnostic Algorithm for Posterior Fossa Tumors in Children: A Validation Study. <i>American Journal of Neuroradiology</i> , 2021, 42, 961-968.	2.4	7
53	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
54	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

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55	X-linked Charcotâ€“Marieâ€“Tooth Disease Presenting with Stuttering Stroke-like Symptoms. <i>Neuropediatrics</i> , 2019, 50, 304-307.	0.6	6
56	Physiologic Timeline of Cranial-Base Suture and Synchondrosis Closure. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 973e-982e.	1.4	6
57	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
58	Metabolic, endocrine, and other genetic disorders. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 136, 1221-1259.	1.8	5
59	Updates in Pediatric Malignant Gliomas. <i>Topics in Magnetic Resonance Imaging</i> , 2020, 29, 83-94.	1.2	5
60	A ten-year retrospective evaluation of acute flaccid myelitis at 5 pediatric centers in the United States, 2005â€“2014. <i>PLoS ONE</i> , 2020, 15, e0228671.	2.5	5
61	Ultradense Middle Cerebral Artery: Specific Sign of Cerebral Lipiodol Embolization. <i>World Neurosurgery</i> , 2018, 112, 254-256.	1.3	4
62	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
63	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
64	Sepsis-Related Brain MRI Abnormalities Are Associated With Mortality and Poor Neurological Outcome in Pediatric Sepsis. <i>Pediatric Neurology</i> , 2022, 128, 1-8.	2.1	4
65	Reply. <i>Arthritis and Rheumatology</i> , 2016, 68, 263-264.	5.6	3
66	Reversible Cerebral Vasoconstriction Syndrome vs Posterior Reversible Encephalopathy Syndrome. <i>JAMA Neurology</i> , 2016, 73, 606.	9.0	3
67	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
68	Emerging Roles of PET/MR in the Pediatric Hospital. <i>PET Clinics</i> , 2020, 15, 253-269.	3.0	3
69	Arterial Spin-Labeling Perfusion for PHACE Syndrome. <i>American Journal of Neuroradiology</i> , 2021, 42, 173-177.	2.4	3
70	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
71	Neuroaxial Infantile Hemangiomas: Imaging Manifestations and Association with Hemangioma Syndromes. <i>American Journal of Neuroradiology</i> , 2021, 42, 1520-1527.	2.4	3
72	Joint Modeling of RNAseq and Radiomics Data for Glioma Molecular Characterization and Prediction. <i>Frontiers in Medicine</i> , 2021, 8, 705071.	2.6	3

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73	An Important Pediatric Stroke Mimic: Hemiplegic Migraine. Canadian Journal of Neurological Sciences, 2020, 47, 235-236.	0.5	2
74	Automatic Segmentation of Bone Selective MR Images for Visualization and Craniometry of the Cranial Vault. Academic Radiology, 2022, 29, S98-S106.	2.5	2
75	Reduced Intercarotid Artery Distance in Syndromic and Isolated Brachycephaly. Pediatric Neurology, 2018, 79, 3-7.	2.1	1
76	Anatomical Variations, Mimics, and Pitfalls in Imaging of Patients with Epilepsy. Journal of Neuroimaging, 2021, 31, 20-34.	2.0	1
77	Spinal Cord Infarct Due to Fibrocartilaginous Embolism. Neuropediatrics, 2021, 52, 224-225.	0.6	1
78	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
79	Integrating neuroimaging biomarkers into the multicentre, high-dose erythropoietin for asphyxia and encephalopathy (HEAL) trial: rationale, protocol and harmonisation. BMJ Open, 2021, 11, e043852.	1.9	1
80	Letter by Nabavizadeh et al Regarding Article, "Prediction of Blood-Brain Barrier Disruption and Intracerebral Hemorrhagic Infarction Using Arterial Spin-Labeling Magnetic Resonance Imaging" Stroke, 2017, 48, e112.	2.0	0
81	CS-06...Structural brain abnormalities in youth with systemic lupus erythematosus. , 2018, , .		0
82	Use of Balanced Steady-State Free Precession Sequences in Evaluation of Drop Metastases. American Journal of Neuroradiology, 2019, 40, E20-E20.	2.4	0
83	Reply to "Pediatric Leigh Syndrome: Neuroimaging Features and Genetic Correlations" Annals of Neurology, 2021, 89, 631-633.	5.3	0
84	Genetic and Clinical Predictors of Ataxia in Pediatric Primary Mitochondrial Disorders. Cerebellum, 2021, , 1.	2.5	0
85	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. Pediatric Radiology, 2021, 51, 2069-2076.	2.0	0
86	Collateral Protection. Neurology, 2022, 98, 135-136.	1.1	0
87	Validation of Sonographic Fronto-Occipital Ratio Based on Anatomical Landmarks Compared to MR/CT-Derived Indexes in Children with Chiari II and Ventriculomegaly. Pediatric Neurosurgery, 2021, , .	0.7	0
88	Radiographic and histologic characterisation of white matter injury in a sheep model of CHD. Cardiology in the Young, 2022, , 1-5.	0.8	0
89	LGG-52. Volumetry-based response characterization of recurrent pediatric low-grade gliomas in PNOc clinical Neuro-oncology trials. Neuro-Oncology, 2022, 24, i100-i100.	1.2	0
90	IMG-15. Radiomic Profiling of Pediatric Low-Grade Glioma Improves Risk Stratification Beyond Clinical Measures. Neuro-Oncology, 2022, 24, i80-i80.	1.2	0