Robert A Avery

List of Publications by Year
in descending order

79 papers	2,771 citations	172207 29 h-index	189595 50 g-index
80 all docs	80 docs citations	80 times ranked	2364 citing authors

#	Article	IF	Citations
1	Recovery of Vision after Optic Nerve Sheath Fenestration in Children and Adolescents with Elevated Intracranial Pressure. American Journal of Ophthalmology, 2022, 237, 173-182.	1.7	3
2	Risk factors for treatment-refractory and relapsed optic pathway glioma in children with neurofibromatosis type 1. Neuro-Oncology, 2022, 24, 1377-1386.	0.6	9
3	Elevated Intracranial Pressure in Patients with Craniosynostosis by Optical Coherence Tomography. Plastic and Reconstructive Surgery, 2022, 149, 677-690.	0.7	9
4	Comparison of Visual Acuity Results Between ATS-HOTV and E-ETDRS Testing Methods in Children With Optic Pathway Gliomas. Translational Vision Science and Technology, 2022, 11, 10.	1.1	0
5	OTHR-08. Pediatric Neurologic Assessment in Neuro-oncology (pNANO) Scale: A tool to assess neurologic function for Response Assessment in Neuro-oncology (RAPNO). Neuro-Oncology, 2022, 24, i148-i148.	0.6	2
6	The sensitivity and specificity of retinal and choroidal folds to distinguish between mild papilloedema and pseudopapilledema. Eye, 2021, 35, 3131-3136.	1.1	5
7	Pathogenic NR2F1 variants cause a developmental ocular phenotype recapitulated in a mutant mouse model. Brain Communications, 2021, 3, fcab162.	1.5	13
8	Validation of the Rule of 7â€™s for Identifying Children at Low-risk for Lyme Meningitis. Pediatric Infectious Disease Journal, 2021, 40, 306-309.	1.1	2
9	Utility of Ultrasound and Optical Coherence Tomography in Differentiating Between Papilledema and Pseudopapilledema in Children. Journal of Neuro-Ophthalmology, 2021, 41, 488-495.	0.4	9
10	Revised diagnostic criteria for neurofibromatosis type 1 and Legius syndrome: an international consensus recommendation. Genetics in Medicine, 2021, 23, 1506-1513.	1.1	290
11	Socioeconomic and Geographic Disparities in Idiopathic Intracranial Hypertension. Neurology, 2021, 96, e2854-e2860.	1.5	9
12	Unicoronal Craniosynostosis. Journal of Craniofacial Surgery, 2021, Publish Ahead of Print, 2370-2372.	0.3	0
13	High- and Low-Contrast Letter Acuity Perception Matures With Age in Normally Sighted Children. Journal of Neuro-Ophthalmology, 2020, 40, 148-156.	0.4	2
14	Predicting pediatric optic pathway glioma progression using advanced magnetic resonance image analysis and machine learning. Neuro-Oncology Advances, 2020, 2, vdaa090.	0.4	4
15	NFB-09. ENROLLMENT AND CLINICAL CHARACTERISTICS OF NEWLY DIAGNOSED, NEUROFIBROMATOSIS TYPE 1 ASSOCIATED OPTIC PATHWAY GLIOMA (NF1-OPG): PRELIMINARY RESULTS FROM AN INTERNATIONAL MULTI-CENTER NATURAL HISTORY STUDY. Neuro-Oncology, 2020, 22, iii419-iii419.	0.6	3
16	Visual field outcomes in children treated for neurofibromatosis type 1â€“associated optic pathway gliomas: a multicenter retrospective study. Journal of AAPOS, 2020, 24, 349.e1-349.e5.	0.2	7
17	Unsupervised MRI Homogenization: Application to Pediatric Anterior Visual Pathway Segmentation. Lecture Notes in Computer Science, 2020, 12436, 180-188.	1.0	6
18	Visual Loss. , 2019, , 237-291.		0

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19	Assessment of Diagnostic Yield of Nonculture Infection Testing on Cerebrospinal Fluid in Immune-Competent Children. JAMA Network Open, 2019, 2, e197307.	2.8	1
20	Emergent Radiation for Leukemic Optic Nerve Infiltration in a Child Receiving Intrathecal Methotrexate. Practical Radiation Oncology, 2019, 9, 226-230.	1.1	3
21	Current treatment of optic nerve gliomas. Current Opinion in Ophthalmology, 2019, 30, 356-363.	1.3	56
22	LGG-05. OPTIC PATHWAY GLIOMA VOLUME PREDICTS VISUAL ACUITY LOSS AND AXONAL LOSS IN CHILDREN WITH NEUROFIBROMATOSIS TYPE 1. Neuro-Oncology, 2018, 20, i105-i105.	0.6	0
23	LGG-04. UNIFORM VOLUMETRIC MEASURES OF CROSS-PLATFORM MRI ACQUISITIONS IN NF1 OPTIC PATHWAY GLIOMAS: APPLICATION OF DEEP LEARNING TECHNIQUES TO MULTI-CENTER CLINICAL TRIALS. Neuro-Oncology, 2018, 20, i105-i105.	0.6	0
24	Neuro-Ophthalmic Considerations in Pediatric Orbital and Oculoplastic Disease. , 2018, , 237-245.		0
25	Pediatric low-grade gliomas: implications of the biologic era. Neuro-Oncology, 2017, 19, now209.	0.6	73
26	Joint deep shape and appearance learning: application to optic pathway glioma segmentation. Proceedings of SPIE, 2017, , .	0.8	2
27	Optic Pathway Gliomas. Journal of Pediatric Neurology, 2017, 15, 015-024.	0.0	1
28	Acute Zonal Cone Photoreceptor Outer Segment Loss. JAMA Ophthalmology, 2017, 135, 487.	1.4	11
29	Optic Pathway Gliomas Secondary to Neurofibromatosis Type 1. Seminars in Pediatric Neurology, 2017, 24, 92-99.	1.0	20
30	Orbital/Periorbital Plexiform Neurofibromas in Children with Neurofibromatosis Type 1. Ophthalmology, 2017, 124, 123-132.	2.5	68
31	Optic Pathway Gliomas in Neurofibromatosis Type 1: An Update: Surveillance, Treatment Indications, and Biomarkers of Vision. Journal of Neuro-Ophthalmology, 2017, 37, S23-S32.	0.4	99
32	Volume Averaging of Spectral-Domain Optical Coherence Tomography Impacts Retinal Segmentation in Children. Translational Vision Science and Technology, 2016, 5, 12.	1.1	5
33	Quantitative MRI criteria for optic pathway enlargement in neurofibromatosis type 1. Neurology, 2016, 86, 2264-2270.	1.5	21
34	Contralateral Hypoplastic Venous Draining Sinuses Are Associated with Elevated Intracranial Pressure in Unilateral Cerebral Sinovenous Thrombosis. American Journal of Neuroradiology, 2016, 37, 2392-2395.	1.2	5
35	Pediatric Idiopathic Intracranial Hypertension. Ophthalmology, 2016, 123, 2424-2431.	2.5	66
36	Optic pathway glioma volume predicts retinal axon degeneration in neurofibromatosis type 1. Neurology, 2016, 87, 2403-2407.	1.5	27

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37	Deep Learning Guided Partitioned Shape Model for Anterior Visual Pathway Segmentation. IEEE Transactions on Medical Imaging, 2016, 35, 1856-1865.	5.4	48
38	Isolated Midbrain Ischemic Infarct in Association With Hyperlipoproteinemia (a). Journal of Pediatric Hematology/Oncology, 2015, 37, 315-318.	0.3	3
39	Longitudinal Change of Circumpapillary Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. American Journal of Ophthalmology, 2015, 160, 944-952.e1.	1.7	60
40	Elevated Cerebrospinal Fluid Opening Pressure in a Pediatric Demyelinating Disease Cohort. Pediatric Neurology, 2015, 52, 446-449.	1.0	23
41	Applications of Optical Coherence Tomography in Pediatric Clinical Neuroscience. Neuropediatrics, 2015, 46, 088-097.	0.3	25
42	Reproducibility of Retinal Nerve Fiber Layer Thickness Measures Using Eye Tracking in Children With Nonglaucomatous Optic Neuropathy. American Journal of Ophthalmology, 2015, 159, 71-77.e1.	1.7	15
43	Ganglion Cell Layerâ€“Inner Plexiform Layer Thickness and Vision Loss in Young Children With Optic Pathway Gliomas. , 2014, 55, 1402.		70
44	Reference Range of Cerebrospinal Fluid Opening Pressure in Children: Historical Overview and Current Data. Neuropediatrics, 2014, 45, 206-211.	0.3	43
45	Interpretation of Lumbar Puncture Opening Pressure Measurements in Children. Journal of Neuro-Ophthalmology, 2014, 34, 284-287.	0.4	40
46	Handheld Optical Coherence Tomography During Sedation in Young Children With Optic Pathway Gliomas. JAMA Ophthalmology, 2014, 132, 265.	1.4	57
47	Marked Recovery of Vision in Children With Optic Pathway Gliomas Treated With Bevacizumab. JAMA Ophthalmology, 2014, 132, 111.	1.4	100
48	Monocular and binocular low-contrast visual acuity and optical coherence tomography in pediatric multiple sclerosis. Multiple Sclerosis and Related Disorders, 2014, 3, 326-334.	0.9	41
49	Vision specific quality of life in children with optic pathway gliomas. Journal of Neuro-Oncology, 2014, 116, 341-347.	1.4	33
50	Intra- and Inter-visit Reproducibility of Ganglion Cellâ€“Inner Plexiform Layer Measurements Using Handheld Optical Coherence Tomography in Children With Optic Pathway Gliomas. American Journal of Ophthalmology, 2014, 158, 916-923.e1.	1.7	30
51	Reproducibility of Circumpapillary Retinal Nerve Fiber Layer Measurements Using Handheld Optical Coherence Tomography in Sedated Children. American Journal of Ophthalmology, 2014, 158, 780-787.e1.	1.7	34
52	Weighted Partitioned Active Shape Model for Optic Pathway Segmentation in MRI. Lecture Notes in Computer Science, 2014, , 109-117.	1.0	7
53	Visual Outcomes in Children With Neurofibromatosis Type 1 and Orbitotemporal Plexiform Neurofibromas. American Journal of Ophthalmology, 2013, 155, 1089-1094.e1.	1.7	27
54	Functional outcome measures for NF1-associated optic pathway glioma clinical trials. Neurology, 2013, 81, S15-24.	1.5	103

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55	Patterns of Retinal Hemorrhage Associated With Increased Intracranial Pressure in Children. Pediatrics, 2013, 132, e430-e434.	1.0	52
56	Visual Function and Optic Pathway Glioma: A Critical Response. JAMA Ophthalmology, 2013, 131, 120.	1.4	9
57	Feasibility and Comparison of Visual Acuity Testing Methods in Children with Neurofibromatosis Type 1 and/or Optic Pathway Gliomas. , 2013, 54, 1034.		44
58	Visual acuity in children with low grade gliomas of the visual pathway: implications for patient care and clinical research. Journal of Neuro-Oncology, 2012, 110, 1-7.	1.4	72
59	Myopia associated with optic nerve gliomas in neurofibromatosis type 1. Journal of AAPOS, 2012, 16, 89-91.	0.2	5
60	Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. American Journal of Ophthalmology, 2011, 151, 542-549.e2.	1.7	105
61	Symptomatic Increased Intracranial Pressure Due to Arachnoid Cysts. Pediatric Neurology, 2011, 44, 377-380.	1.0	8
62	Reference Range for Cerebrospinal Fluid Protein Concentration in Children and Adolescents. JAMA Pediatrics, 2011, 165, 671.	3.6	9
63	Optic Pathway Gliomas. Journal of Neuro-Ophthalmology, 2011, 31, 269-278.	0.4	137
64	Pediatric Horner Syndrome. JAMA Ophthalmology, 2011, 129, 1108.	2.6	3
65	Picture of the Monthâ€”Quiz Case. JAMA Pediatrics, 2010, 164, 489-90.	3.6	0
66	Patient Position During Lumbar Puncture Has No Meaningful Effect on Cerebrospinal Fluid Opening Pressure in Children. Journal of Child Neurology, 2010, 25, 616-619.	0.7	22
67	Reference Range for Cerebrospinal Fluid Opening Pressure in Children. New England Journal of Medicine, 2010, 363, 891-893.	13.9	243
68	Vitamin B12 Optic Neuropathy in Autism. Pediatrics, 2010, 126, e967-e970.	1.0	43
69	Visual and Systemic Outcomes in Pediatric Ocular Myasthenia Gravis. American Journal of Ophthalmology, 2010, 150, 453-459.e3.	1.7	43
70	Striatal dopamine transporters correlate with simple reaction time in elderly subjects. Neurobiology of Aging, 2008, 29, 1237-1246.	1.5	35
71	Predictive Model for Lyme Meningitis: A Reply. Pediatrics, 2007, 119, 219a-220.	1.0	2
72	Prediction of Lyme Meningitis in Children From a Lyme Disease-Endemic Region: A Logistic-Regression Model Using History, Physical, and Laboratory Findings. Pediatrics, 2006, 117, e1-e7.	1.0	51

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73	Diagnostic Utility of Borrelia burgdorferi Cerebrospinal Fluid Polymerase Chain Reaction in Children with Lyme Meningitis. Pediatric Infectious Disease Journal, 2005, 24, 705-708.	1.1	47
74	Interictal 99mTc-HMPAO SPECT in Temporal Lobe Epilepsy: Relation to Clinical Variables. Epilepsia, 2001, 42, 869-874.	2.6	8
75	Decreased cerebral blood flow during seizures with ictal SPECT injections. Epilepsy Research, 2000, 40, 53-61.	0.8	28
76	The Alpha-2A-Adrenoceptor Agonist, Guanfacine, Increases Regional Cerebral Blood Flow in Dorsolateral Prefrontal Cortex of Monkeys Performing a Spatial Working Memory Task. Neuropsychopharmacology, 2000, 23, 240-249.	2.8	131
77	Reproducibility of serial peri-ictal single-photon emission tomography difference images in epilepsy patients undergoing surgical resection. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 50-55.	2.2	16
78	Effect of injection time on postictal SPET perfusion changes in medically refractory epilepsy. European Journal of Nuclear Medicine and Molecular Imaging, 1999, 26, 830-836.	3.3	38
79	Absence of an Apolipoprotein E Ïµ4 Allele Is Associated With Increased Parietal Regional Cerebral Blood Flow Asymmetry in Alzheimer Disease. Archives of Neurology, 1998, 55, 1460.	4.9	30