

Robert A Avery

List of Publications by Year in descending order

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79
papers

2,771
citations

172386

29
h-index

189801

50
g-index

80
all docs

80
docs citations

80
times ranked

2364
citing authors

#	ARTICLE	IF	CITATIONS
1	Revised diagnostic criteria for neurofibromatosis type 1 and Legius syndrome: an international consensus recommendation. <i>Genetics in Medicine</i> , 2021, 23, 1506-1513.	1.1	290
2	Reference Range for Cerebrospinal Fluid Opening Pressure in Children. <i>New England Journal of Medicine</i> , 2010, 363, 891-893.	13.9	243
3	Optic Pathway Gliomas. <i>Journal of Neuro-Ophthalmology</i> , 2011, 31, 269-278.	0.4	137
4	The Alpha-2A-Adrenoceptor Agonist, Guanfacine, Increases Regional Cerebral Blood Flow in Dorsolateral Prefrontal Cortex of Monkeys Performing a Spatial Working Memory Task. <i>Neuropsychopharmacology</i> , 2000, 23, 240-249.	2.8	131
5	Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. <i>American Journal of Ophthalmology</i> , 2011, 151, 542-549.e2.	1.7	105
6	Functional outcome measures for NF1-associated optic pathway glioma clinical trials. <i>Neurology</i> , 2013, 81, S15-24.	1.5	103
7	Marked Recovery of Vision in Children With Optic Pathway Gliomas Treated With Bevacizumab. <i>JAMA Ophthalmology</i> , 2014, 132, 111.	1.4	100
8	Optic Pathway Gliomas in Neurofibromatosis Type 1: An Update: Surveillance, Treatment Indications, and Biomarkers of Vision. <i>Journal of Neuro-Ophthalmology</i> , 2017, 37, S23-S32.	0.4	99
9	Pediatric low-grade gliomas: implications of the biologic era. <i>Neuro-Oncology</i> , 2017, 19, now209.	0.6	73
10	Visual acuity in children with low grade gliomas of the visual pathway: implications for patient care and clinical research. <i>Journal of Neuro-Oncology</i> , 2012, 110, 1-7.	1.4	72
11	Ganglion Cell Layerâ€“Inner Plexiform Layer Thickness and Vision Loss in Young Children With Optic Pathway Gliomas. , 2014, 55, 1402.		70
12	Orbital/Periorbital Plexiform Neurofibromas in Children with Neurofibromatosis Type 1. <i>Ophthalmology</i> , 2017, 124, 123-132.	2.5	68
13	Pediatric Idiopathic Intracranial Hypertension. <i>Ophthalmology</i> , 2016, 123, 2424-2431.	2.5	66
14	Longitudinal Change of Circumpapillary Retinal Nerve Fiber Layer Thickness in Children With Optic Pathway Gliomas. <i>American Journal of Ophthalmology</i> , 2015, 160, 944-952.e1.	1.7	60
15	Handheld Optical Coherence Tomography During Sedation in Young Children With Optic Pathway Gliomas. <i>JAMA Ophthalmology</i> , 2014, 132, 265.	1.4	57
16	Current treatment of optic nerve gliomas. <i>Current Opinion in Ophthalmology</i> , 2019, 30, 356-363.	1.3	56
17	Patterns of Retinal Hemorrhage Associated With Increased Intracranial Pressure in Children. <i>Pediatrics</i> , 2013, 132, e430-e434.	1.0	52
18	Prediction of Lyme Meningitis in Children From a Lyme Disease-Endemic Region: A Logistic-Regression Model Using History, Physical, and Laboratory Findings. <i>Pediatrics</i> , 2006, 117, e1-e7.	1.0	51

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19	Deep Learning Guided Partitioned Shape Model for Anterior Visual Pathway Segmentation. IEEE Transactions on Medical Imaging, 2016, 35, 1856-1865.	5.4	48
20	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
21	Feasibility and Comparison of Visual Acuity Testing Methods in Children with Neurofibromatosis Type 1 and/or Optic Pathway Gliomas. , 2013, 54, 1034.		44
22	Vitamin B12 Optic Neuropathy in Autism. Pediatrics, 2010, 126, e967-e970.	1.0	43
23	Visual and Systemic Outcomes in Pediatric Ocular Myasthenia Gravis. American Journal of Ophthalmology, 2010, 150, 453-459.e3.	1.7	43
24	Reference Range of Cerebrospinal Fluid Opening Pressure in Children: Historical Overview and Current Data. Neuropediatrics, 2014, 45, 206-211.	0.3	43
25	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
26	Interpretation of Lumbar Puncture Opening Pressure Measurements in Children. Journal of Neuro-Ophthalmology, 2014, 34, 284-287.	0.4	40
27	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
28	Striatal dopamine transporters correlate with simple reaction time in elderly subjects. Neurobiology of Aging, 2008, 29, 1237-1246.	1.5	35
29	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
30	Vision specific quality of life in children with optic pathway gliomas. Journal of Neuro-Oncology, 2014, 116, 341-347.	1.4	33
31	Absence of an Apolipoprotein E ϵ 4 Allele Is Associated With Increased Parietal Regional Cerebral Blood Flow Asymmetry in Alzheimer Disease. Archives of Neurology, 1998, 55, 1460.	4.9	30
32	Intra- and Inter-visit Reproducibility of Ganglion Cell 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
33	Decreased cerebral blood flow during seizures with ictal SPECT injections. Epilepsy Research, 2000, 40, 53-61.	0.8	28
34	Visual Outcomes in Children With Neurofibromatosis Type 1 and Orbitotemporal Plexiform Neurofibromas. American Journal of Ophthalmology, 2013, 155, 1089-1094.e1.	1.7	27
35	Optic pathway glioma volume predicts retinal axon degeneration in neurofibromatosis type 1. Neurology, 2016, 87, 2403-2407.	1.5	27
36	Applications of Optical Coherence Tomography in Pediatric Clinical Neuroscience. Neuropediatrics, 2015, 46, 088-097.	0.3	25

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37	Elevated Cerebrospinal Fluid Opening Pressure in a Pediatric Demyelinating Disease Cohort. <i>Pediatric Neurology</i> , 2015, 52, 446-449.	1.0	23
38	Patient Position During Lumbar Puncture Has No Meaningful Effect on Cerebrospinal Fluid Opening Pressure in Children. <i>Journal of Child Neurology</i> , 2010, 25, 616-619.	0.7	22
39	Quantitative MRI criteria for optic pathway enlargement in neurofibromatosis type 1. <i>Neurology</i> , 2016, 86, 2264-2270.	1.5	21
40	Optic Pathway Gliomas Secondary to Neurofibromatosis Type 1. <i>Seminars in Pediatric Neurology</i> , 2017, 24, 92-99.	1.0	20
41	Reproducibility of serial peri-ictal single-photon emission tomography difference images in epilepsy patients undergoing surgical resection. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2000, 27, 50-55.	2.2	16
42	Reproducibility of Retinal Nerve Fiber Layer Thickness Measures Using Eye Tracking in Children With Nonglaucomatous Optic Neuropathy. <i>American Journal of Ophthalmology</i> , 2015, 159, 71-77.e1.	1.7	15
43	Pathogenic <i>NR2F1</i> variants cause a developmental ocular phenotype recapitulated in a mutant mouse model. <i>Brain Communications</i> , 2021, 3, fcab162.	1.5	13
44	Acute Zonal Cone Photoreceptor Outer Segment Loss. <i>JAMA Ophthalmology</i> , 2017, 135, 487.	1.4	11
45	Reference Range for Cerebrospinal Fluid Protein Concentration in Children and Adolescents. <i>JAMA Pediatrics</i> , 2011, 165, 671.	3.6	9
46	Visual Function and Optic Pathway Glioma: A Critical Response. <i>JAMA Ophthalmology</i> , 2013, 131, 120.	1.4	9
47	Utility of Ultrasound and Optical Coherence Tomography in Differentiating Between Papilledema and Pseudopapilledema in Children. <i>Journal of Neuro-Ophthalmology</i> , 2021, 41, 488-495.	0.4	9
48	Socioeconomic and Geographic Disparities in Idiopathic Intracranial Hypertension. <i>Neurology</i> , 2021, 96, e2854-e2860.	1.5	9
49	Risk factors for treatment-refractory and relapsed optic pathway glioma in children with neurofibromatosis type 1. <i>Neuro-Oncology</i> , 2022, 24, 1377-1386.	0.6	9
50	Elevated Intracranial Pressure in Patients with Craniosynostosis by Optical Coherence Tomography. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 677-690.	0.7	9
51	Interictal 99mTc-HMPAO SPECT in Temporal Lobe Epilepsy: Relation to Clinical Variables. <i>Epilepsia</i> , 2001, 42, 869-874.	2.6	8
52	Symptomatic Increased Intracranial Pressure Due to Arachnoid Cysts. <i>Pediatric Neurology</i> , 2011, 44, 377-380.	1.0	8
53	Weighted Partitioned Active Shape Model for Optic Pathway Segmentation in MRI. <i>Lecture Notes in Computer Science</i> , 2014, , 109-117.	1.0	7
54	Visual field outcomes in children treated for neurofibromatosis type 1-associated optic pathway gliomas: a multicenter retrospective study. <i>Journal of AAPOS</i> , 2020, 24, 349.e1-349.e5.	0.2	7

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55	Unsupervised MRI Homogenization: Application to Pediatric Anterior Visual Pathway Segmentation. Lecture Notes in Computer Science, 2020, 12436, 180-188.	1.0	6
56	Myopia associated with optic nerve gliomas in neurofibromatosis type 1. Journal of AAPOS, 2012, 16, 89-91.	0.2	5
57	Volume Averaging of Spectral-Domain Optical Coherence Tomography Impacts Retinal Segmentation in Children. Translational Vision Science and Technology, 2016, 5, 12.	1.1	5
58	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
59	The sensitivity and specificity of retinal and choroidal folds to distinguish between mild papilloedema and pseudopapilledema. Eye, 2021, 35, 3131-3136.	1.1	5
60	Predicting pediatric optic pathway glioma progression using advanced magnetic resonance image analysis and machine learning. Neuro-Oncology Advances, 2020, 2, vdaa090.	0.4	4
61	Pediatric Horner Syndrome. JAMA Ophthalmology, 2011, 129, 1108.	2.6	3
62	Isolated Midbrain Ischemic Infarct in Association With Hyperlipoproteinemia (a). Journal of Pediatric Hematology/Oncology, 2015, 37, 315-318.	0.3	3
63	Emergent Radiation for Leukemic Optic Nerve Infiltration in a Child Receiving Intrathecal Methotrexate. Practical Radiation Oncology, 2019, 9, 226-230.	1.1	3
64	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
65	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
66	Predictive Model for Lyme Meningitis: A Reply. Pediatrics, 2007, 119, 219a-220.	1.0	2
67	Joint deep shape and appearance learning: application to optic pathway glioma segmentation. Proceedings of SPIE, 2017, , .	0.8	2
68	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
69	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
70	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
71	Optic Pathway Gliomas. Journal of Pediatric Neurology, 2017, 15, 015-024.	0.0	1
72	Assessment of Diagnostic Yield of Nonculture Infection Testing on Cerebrospinal Fluid in Immune-Competent Children. JAMA Network Open, 2019, 2, e197307.	2.8	1

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73	Picture of the Monthâ€”Quiz Case. JAMA Pediatrics, 2010, 164, 489-90.	3.6	0
74	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
75	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
76	Visual Loss. , 2019, , 237-291.		0
77	Unicoronal Craniosynostosis. Journal of Craniofacial Surgery, 2021, Publish Ahead of Print, 2370-2372.	0.3	0
78	Neuro-Ophthalmic Considerations in Pediatric Orbital and Oculoplastic Disease. , 2018, , 237-245.		0
79	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