

David G Hunter

List of Publications by Year in descending order

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149
papers

4,221
citations

109321

35
h-index

133252

59
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152
all docs

152
docs citations

152
times ranked

3561
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Sequential and Simultaneous Patching Regimens in Unilateral Amblyopia. American Journal of Ophthalmology, 2022, 233, 48-56.	3.3	4
2	Randomized Controlled Trial of a Dichoptic Digital Therapeutic for Amblyopia. Ophthalmology, 2022, 129, 77-85.	5.2	50
3	Trends in Venture Capital Investments in Ophthalmology Companies (2011–2021). Ophthalmology, 2022, 129, 353-354.	5.2	3
4	Impact of Adding Augmented Superior Rectus Transpositions to Medial Rectus Muscle Recessions When Treating Esotropic Moebius Syndrome. American Journal of Ophthalmology, 2022, 237, 83-90.	3.3	3
5	Recessive variants in <i>COL25A1</i> gene as novel cause of arthrogryposis multiplex congenita with ocular congenital cranial dysinnervation disorder. Human Mutation, 2022, 43, 487-498.	2.5	8
6	AAPOS uniform guidelines for instrument-based pediatric vision screen validation 2021. Journal of AAPOS, 2022, , .	0.3	0
7	Chorioretinal Scars From Scleral Perforation During Prior Strabismus Surgery. JAMA Ophthalmology, 2022, 140, e215711.	2.5	1
8	Prescribing Prisms. , 2022, , 1011-1021.		0
9	Adjustable Suture Technique Is Associated with Fewer Strabismus Reoperations in the Intelligent Research in Sight Registry. Ophthalmology, 2022, 129, 1028-1033.	5.2	5
10	Comparison of fellowship match opportunities and results across pediatric surgical subspecialties. Journal of AAPOS, 2022, , .	0.3	1
11	Nasal Transposition of the Split Lateral Rectus Muscle for Strabismus Associated With Bilateral 3rd-Nerve Palsy. American Journal of Ophthalmology, 2022, 242, 165-172.	3.3	4
12	Prescribing Prisms. , 2021, , 1-12.		0
13	Emerging therapies for amblyopia. Seminars in Ophthalmology, 2021, 36, 282-288.	1.6	20
14	Novel variants in TUBA1A cause congenital fibrosis of the extraocular muscles with or without malformations of cortical brain development. European Journal of Human Genetics, 2021, 29, 816-826.	2.8	13
15	Drive-by Photoscreening [Letter]. Clinical Ophthalmology, 2021, Volume 15, 1443-1444.	1.8	0
16	Digital therapeutic improves visual acuity and encourages high adherence in amblyopic children in open-label pilot study. Journal of AAPOS, 2021, 25, 87.e1-87.e6.	0.3	11
17	Making change at Journal of AAPOS: looking back and moving forward. Journal of AAPOS, 2021, 25, 135-136.	0.3	1
18	Botulinum toxin injection of the inferior oblique muscles for V-pattern strabismus and primary position hypertropia,. American Journal of Ophthalmology, 2021, 235, 32-37.	3.3	0

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19	Evaluation of the blinq vision scanner for detection of amblyopia and strabismus. Journal of AAPOS, 2021, 25, 214.e1-214.e7.	0.3	8
20	Virtual reality prototype for binocular therapy in older children and adults with amblyopia. Journal of AAPOS, 2021, 25, 217.e1-217.e6.	0.3	10
21	Amblyopia-Related Changes in the Fine-Scale Functional Organization of Human Extrastriate Visual Cortex. Journal of Vision, 2021, 21, 1892.	0.3	1
22	Revealing Differential Mechanisms of Absolute vs. Relative Disparity Encoding in Human Extrastriate Visual Cortex and Impacts of Amblyopia on Them. Journal of Vision, 2021, 21, 1986.	0.3	1
23	Identifying Characteristics Predictive of Lost-to-Follow-Up Status in Amblyopia. American Journal of Ophthalmology, 2021, 230, 200-206.	3.3	7
24	TUBB3 Arg262His causes a recognizable syndrome including CFEOM3, facial palsy, joint contractures, and early-onset peripheral neuropathy. Human Genetics, 2021, 140, 1709-1731.	3.8	13
25	Effect of Primary Occlusion Therapy in Asymmetric, Bilateral Amblyopia. American Journal of Ophthalmology, 2020, 211, 87-93.	3.3	11
26	Incidence of symptomatic vertical and torsional diplopia after superior rectus transposition for esotropic Duane syndrome and abducens nerve palsy. Journal of AAPOS, 2020, 24, 270.e1-270.e5.	0.3	10
27	Reply. Journal of AAPOS, 2020, 24, 128.	0.3	1
28	Recurrent Rare Copy Number Variants Increase Risk for Esotropia. , 2020, 61, 22.		8
29	<p>Validation of the Birefringent Amblyopia Screener (Retinal Polarization Scanner), the Rebio Blinq.â„¢ [Letter]</p>. Clinical Ophthalmology, 2020, Volume 14, 2599-2600.	1.8	2
30	Self-grading effect of inferior oblique myectomy and recession. Journal of AAPOS, 2020, 24, 218.e1-218.e6.	0.3	11
31	Virtual Visits in Ophthalmology: Timely Advice for Implementation During the COVID-19 Public Health Crisis. Telemedicine Journal and E-Health, 2020, 26, 1113-1117.	2.8	19
32	In Vivo Quasi-Elastic Light Scattering Eye Scanner Detects Molecular Aging in Humans. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, e53-e62.	3.6	5
33	Evaluating Amblyopia Treatment Success Using the American Academy of Ophthalmology IRIS50 Measures. Ophthalmology, 2020, 127, 836-838.	5.2	5
34	Severe reverse amblyopia with atropine penalization. Journal of AAPOS, 2020, 24, 106-108.	0.3	2
35	Brain phenotyping in Moebius syndrome and other congenital facial weakness disorders by diffusion MRI morphometry. Brain Communications, 2020, 2, fcaa014.	3.3	9
36	Improved adherence and treatment outcomes with an engaging, personalized digital therapeutic in amblyopia. Scientific Reports, 2020, 10, 8328.	3.3	18

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37	Binocular Summation and Suppression of Contrast Sensitivity in Strabismus, Fusion and Amblyopia. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 234.	2.0	23
38	Outcomes of strabismus surgery in genetically confirmed congenital fibrosis of the extraocular muscles. <i>Journal of AAPOS</i> , 2019, 23, 253.e1-253.e6.	0.3	10
39	Accurately Assessing Visual Deficits in Children With Developmental Dyslexia—Reply. <i>JAMA Ophthalmology</i> , 2019, 137, 955.	2.5	0
40	The Role of Botulinum Toxin in the Treatment of Strabismus. <i>Seminars in Ophthalmology</i> , 2019, 34, 198-204.	1.6	21
41	Validation of StrabisPIX, a Mobile Application for Home Measurement of Ocular Alignment. <i>Translational Vision Science and Technology</i> , 2019, 8, 9.	2.2	15
42	Transposition procedures in Duane retraction syndrome. <i>Journal of AAPOS</i> , 2019, 23, 5-14.	0.3	13
43	Use of Botulinum Toxin in Ophthalmology. <i>Handbook of Experimental Pharmacology</i> , 2019, 263, 147-160.	1.8	7
44	Anomalous superior oblique muscles and tendons in congenital fibrosis of the extraocular muscles. <i>Journal of AAPOS</i> , 2019, 23, 325.e1-325.e6.	0.3	9
45	Self-reported visual symptoms in children with developmental dyslexia. <i>Vision Research</i> , 2019, 155, 11-16.	1.4	8
46	Long-term Surgical Outcomes for Large-angle Infantile Esotropia. <i>American Journal of Ophthalmology</i> , 2018, 189, 155-159.	3.3	28
47	The Effect of Botulinum Toxin Augmentation on Strabismus Surgery for Large-Angle Infantile Esotropia. <i>American Journal of Ophthalmology</i> , 2018, 189, 160-165.	3.3	15
48	Congenital muscular dystrophy-dystroglycanopathy, type A, featuring bilateral retinal dysplasia and vertical angle kappa. <i>Journal of AAPOS</i> , 2018, 22, 242-244.e1.	0.3	2
49	Lens regeneration in children. <i>Nature</i> , 2018, 556, E2-E3.	27.8	10
50	Superior oblique myokymia treated with levobunolol. <i>Journal of AAPOS</i> , 2018, 22, 67-69.e2.	0.3	3
51	Public Health Burden and Potential Interventions for Myopia. <i>Ophthalmology</i> , 2018, 125, 628-630.	5.2	54
52	Superior oblique myokymia. <i>Survey of Ophthalmology</i> , 2018, 63, 507-517.	4.0	20
53	Diplopia after Strabismus Surgery. <i>Seminars in Ophthalmology</i> , 2018, 33, 102-107.	1.6	5
54	Improving Access—but Not Outcomes—With Iris Optical Coherence Tomography Angiography. <i>JAMA Ophthalmology</i> , 2018, 136, 1045.	2.5	2

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55	Frequency of Visual Deficits in Children With Developmental Dyslexia. JAMA Ophthalmology, 2018, 136, 1089.	2.5	28
56	Infantile and Early Acquired Ophthalmoplegic Syndromes. Journal of Binocular Vision and Ocular Motility, 2018, 68, 7-9.	0.5	0
57	Genome-Wide Association Study Identifies a Susceptibility Locus for Comitant Esotropia and Suggests a Parent-of-Origin Effect. , 2018, 59, 4054.		21
58	Anomalous Vertical Deviations in Attempted Abduction Occur in the Majority of Patients With Esotropic Duane Syndrome. American Journal of Ophthalmology, 2018, 195, 171-175.	3.3	6
59	Reply. Ophthalmology, 2017, 124, e11.	5.2	0
60	Comparison of Botulinum Toxin With Surgery for the Treatment of Acute-Onset Comitant Esotropia in Children. American Journal of Ophthalmology, 2017, 176, 33-39.	3.3	41
61	Central serous chorioretinopathy following medial transposition of split lateral rectus muscle for complete oculomotor nerve palsy. Journal of AAPOS, 2017, 21, 517-518.	0.3	6
62	Sedated suture adjustment in children undergoing adjustable suture strabismus surgery. Journal of AAPOS, 2017, 21, 196-200.	0.3	2
63	Reduced surgical success rate of rectus muscle plication compared to resection. Journal of AAPOS, 2017, 21, 201-204.	0.3	21
64	Duane syndrome with prominent oculo-auricular phenomenon. Journal of AAPOS, 2017, 21, 165-167.	0.3	1
65	Advances in Amblyopia Treatment: Paradigm Shifts and Future Directions. International Ophthalmology Clinics, 2017, 57, 117-128.	0.7	11
66	P4066: <i>In Vivo</i> Assessment of Molecular Aging by Quasi-Elastic Light Scattering in Human Lens. Alzheimer's and Dementia, 2016, 12, P1039.	0.8	0
67	Bifocals Fail to Improve Stereopsis Outcomes in High AC/A Accommodative Esotropia. Ophthalmology, 2016, 123, 690-696.	5.2	20
68	Loss of MAFB Function in Humans and Mice Causes Duane Syndrome, Aberrant Extraocular Muscle Innervation, and Inner-Ear Defects. American Journal of Human Genetics, 2016, 98, 1220-1227.	6.2	66
69	Evaluation of the Risk of Postoperative Infection in Adjustable Suture Strabismus Surgery. JAMA Ophthalmology, 2016, 134, 1156.	2.5	1
70	Two unique <i>TUBB3</i> mutations cause both CFEOM3 and malformations of cortical development. American Journal of Medical Genetics, Part A, 2016, 170, 297-305.	1.2	51
71	P3-074: Detection of Alzheimer's disease-linked changes in the lens by quasi-elastic light scattering ophthalmoscopy in young subjects with down syndrome. , 2015, 11, P645-P645.		0
72	Changes in Lateral Comitance After Asymmetric Horizontal Strabismus Surgery. JAMA Ophthalmology, 2015, 133, 1241.	2.5	13

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73	Surgical management of strabismus in Duane retraction syndrome. <i>Journal of AAPOS</i> , 2015, 19, 63-69.	0.3	31
74	Treatment of amblyopia: the "eye pad," or the iPad?. <i>Journal of AAPOS</i> , 2015, 19, 1-2.	0.3	4
75	Complications of Strabismus Surgery: Incidence and Risk Factors. <i>Seminars in Ophthalmology</i> , 2014, 29, 421-428.	1.6	46
76	Scleral perforations during routine traction test in a patient with osteogenesis imperfecta. <i>Journal of AAPOS</i> , 2014, 18, 610-612.	0.3	7
77	Superior Rectus Transposition vs Medial Rectus Recession for Treatment of Esotropic Duane Syndrome. <i>JAMA Ophthalmology</i> , 2014, 132, 669.	2.5	54
78	Adjustable Nasal Transposition of Split Lateral Rectus Muscle for Third Nerve Palsy. <i>JAMA Ophthalmology</i> , 2014, 132, 963.	2.5	34
79	Diagnostic Distinctions and Genetic Analysis of Patients Diagnosed with Moebius Syndrome. <i>Ophthalmology</i> , 2014, 121, 1461-1468.	5.2	70
80	Displacement of optical centers in over-the-counter readers: a potential cause of diplopia. <i>Journal of AAPOS</i> , 2014, 18, 293-294.	0.3	5
81	Goal-determined metrics to assess outcomes of esotropia surgery. <i>Journal of AAPOS</i> , 2014, 18, 211-216.	0.3	21
82	Adjustable sutures in children. <i>Journal of AAPOS</i> , 2014, 18, 278-284.	0.3	10
83	Assessing Binocular Interaction in Amblyopia and Its Clinical Feasibility. <i>PLoS ONE</i> , 2014, 9, e100156.	2.5	47
84	Accuracy of vision screening. <i>Journal of AAPOS</i> , 2013, 17, 652-653.	0.3	1
85	Intentional extreme anisometric pseudophakic monovision. <i>Journal of Cataract and Refractive Surgery</i> , 2013, 39, 309-310.	1.5	1
86	Targeting treatable disease "not just risk factors" in pediatric vision screening. <i>Journal of AAPOS</i> , 2013, 17, 2-3.	0.3	12
87	The Genetic Basis of Incomitant Strabismus: Consolidation of the Current Knowledge of the Genetic Foundations of Disease. <i>Seminars in Ophthalmology</i> , 2013, 28, 427-437.	1.6	50
88	A novel syndrome caused by the E410K amino acid substitution in the neuronal β -tubulin isotype 3. <i>Brain</i> , 2013, 136, 522-535.	7.6	112
89	Superior Rectus Transposition and Medial Rectus Recession for Duane Syndrome and Sixth Nerve Palsy. <i>JAMA Ophthalmology</i> , 2012, 130, 195.	2.4	124
90	Extraocular Muscles in Patients With Infantile Nystagmus. <i>JAMA Ophthalmology</i> , 2012, 130, 343.	2.4	15

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91	Reply to Mokashi et al. Eye, 2012, 26, 1025-1026.	2.1	0
92	HOXB1 Founder Mutation in Humans Recapitulates the Phenotype of Hoxb1 Mice. American Journal of Human Genetics, 2012, 91, 171-179.	6.2	72
93	Case reports, reviews, and changes to the Journal of AAPOS. Journal of AAPOS, 2011, 15, 117-118.	0.3	0
94	Adjustable suture strabismus surgery. Eye, 2011, 25, 1262-1276.	2.1	62
95	Expansion of the <i>CHN1</i> Strabismus Phenotype. , 2011, 52, 6321.		43
96	Rapid, High-Accuracy Detection of Strabismus and Amblyopia Using the Pediatric Vision Scanner. , 2011, 52, 5043.		53
97	The clinical and molecular genetic features of idiopathic infantile periodic alternating nystagmus. Brain, 2011, 134, 892-902.	7.6	52
98	Isolated Bilateral Fourth Cranial Nerve Palsies as the Presenting Sign of Hydrocephalus. Case Reports in Ophthalmology, 2011, 2, 211-214.	0.7	2
99	Do we Need Evidence for Everything?. American Orthoptic Journal, 2010, 60, 59-62.	0.3	6
100	Introducing AAPOS Workshops. Journal of AAPOS, 2010, 14, 1.	0.3	4
101	Human TUBB3 Mutations Perturb Microtubule Dynamics, Kinesin Interactions, and Axon Guidance. Cell, 2010, 140, 74-87.	28.9	515
102	Alzheimer's Disease Amyloid- β Links Lens and Brain Pathology in Down Syndrome. PLoS ONE, 2010, 5, e10659.	2.5	122
103	Preventing corneal abrasions in critically ill children receiving neuromuscular blockade: A randomized, controlled trial. Pediatric Critical Care Medicine, 2009, 10, 171-175.	0.5	26
104	Short Tag Noose Technique for Optional and Late Suture Adjustment in Strabismus Surgery. JAMA Ophthalmology, 2009, 127, 1584.	2.4	48
105	Central Fusion Disruption Following Irradiation of Neoplasms in the Pineal Region. JAMA Ophthalmology, 2009, 127, 337.	2.4	9
106	Adjustable Sutures in Strabismus Surgery. , 2009, , 213-226.		6
107	Congenital Fibrosis of the Extraocular Muscles. Seminars in Ophthalmology, 2008, 23, 3-8.	1.6	66
108	Pediatric Graves' ophthalmopathy: The pre- and postpubertal experience. Journal of AAPOS, 2008, 12, 357-360.	0.3	25

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109	Long-term Results of an Intraoperative Adjustable Superior Oblique Tendon Suture Spacer Using Nonabsorbable Suture for Brown Syndrome. <i>Ophthalmology</i> , 2008, 115, 1800-1804.	5.2	27
110	Directional eye fixation sensor using birefringence-based foveal detection. <i>Applied Optics</i> , 2007, 46, 1809.	2.1	32
111	Patterns of eye care use and expenditures among children with diagnosed eye conditions. <i>Journal of AAPOS</i> , 2007, 11, 480-487.	0.3	23
112	Three novel mutations in KIF21A highlight the importance of the third coiled-coil stalk domain in the etiology of CFEOM1. <i>BMC Genetics</i> , 2007, 8, 26.	2.7	48
113	Amblyopia: Diagnostic and Therapeutic Options. <i>American Journal of Ophthalmology</i> , 2006, 141, 175-184.e2.	3.3	129
114	Prevalence and Correlates of Children's Diagnosed Eye and Vision Conditions. <i>Ophthalmology</i> , 2006, 113, 2298-2306.	5.2	44
115	The Pediatric Vision Screener III. <i>JAMA Ophthalmology</i> , 2006, 124, 509.	2.4	21
116	Mutations in FRMD7, a newly identified member of the FERM family, cause X-linked idiopathic congenital nystagmus. <i>Nature Genetics</i> , 2006, 38, 1242-1244.	21.4	180
117	Treatment of Amblyopia in Older Children. <i>JAMA Ophthalmology</i> , 2005, 123, 557.	2.4	13
118	A Novel kif21a Mutation in a Patient With Congenital Fibrosis of the Extraocular Muscles and Marcus Gunn Jaw-Winking Phenomenon. <i>JAMA Ophthalmology</i> , 2005, 123, 1254.	2.4	56
119	Early Detection vs Late Treatment of Amblyopia. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 1920.	7.4	4
120	Rapid, objective detection of cataract-induced blur using a bull's eye photodetector. <i>Journal of Cataract and Refractive Surgery</i> , 2005, 31, 763-770.	1.5	4
121	Pediatric Vision Screener 1: instrument design and operation. <i>Journal of Biomedical Optics</i> , 2004, 9, 1363.	2.6	38
122	Pediatric Vision Screener 2: pilot study in adults. <i>Journal of Biomedical Optics</i> , 2004, 9, 1369.	2.6	13
123	Automated detection of ocular focus. <i>Journal of Biomedical Optics</i> , 2004, 9, 1103.	2.6	10
124	Automated detection of ocular alignment with binocular retinal birefringence scanning. <i>Applied Optics</i> , 2003, 42, 3047.	2.1	24
125	No colobomas in "œrenal coloboma" syndrome. <i>Ophthalmology</i> , 2003, 110, 251.	5.2	5
126	Discussion by. <i>Ophthalmology</i> , 2003, 110, 1229.	5.2	0

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127	A strabismus susceptibility locus on chromosome 7p. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12283-12288.	7.1	50
128	Pediatric vision screening using binocular retinal birefringence scanning. , 2003, , .		5
129	Optical Factors Affecting the Outcome of Strabismus Surgery. American Orthoptic Journal, 2003, 53, 2-6.	0.3	2
130	Papillorenal (â€œrenal colobomaâ€œ) syndrome. American Journal of Ophthalmology, 2002, 134, 300-301.	3.3	20
131	Papillorenal Syndrome in a Brazilian Family. JAMA Ophthalmology, 2002, 120, 1772.	2.4	6
132	An adjustable superior oblique tendon spacer with the use of nonabsorbable suture. Journal of AAPOS, 2001, 5, 164-171.	0.3	41
133	Superior oblique overaction from local anesthesia for cataract surgery. Journal of AAPOS, 2001, 5, 329-332.	0.3	17
134	Diplopia after limited macular translocation surgery. Journal of AAPOS, 2001, 5, 388-394.	0.3	18
135	Long-term outcome of uncomplicated infantile exotropia. Journal of AAPOS, 2001, 5, 352-356.	0.3	73
136	Redefining papillorenal syndrome: an underdiagnosed cause of ocular and renal morbidity. Ophthalmology, 2001, 108, 738-749.	5.2	105
137	Multifocal intraocular lenses in children. Ophthalmology, 2001, 108, 1373-1374.	5.2	17
138	Dynamic Retinoscopy. Survey of Ophthalmology, 2001, 46, 269-274.	4.0	37
139	Prevalence of systemic and ocular disease in infantile exotropia. Ophthalmology, 1999, 106, 1951-1956.	5.2	57
140	A proposed simple method for measurement in the anterior chamber angle. Ophthalmology, 1999, 106, 2161-2167.	5.2	49
141	Mathematical modeling of retinal birefringence scanning. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1999, 16, 2103.	1.5	37
142	Automated detection of foveal fixation by use of retinal birefringence scanning. Applied Optics, 1999, 38, 1273.	2.1	56
143	Vertical Location of the Corneal Light Reflex in Strabismus Photography. JAMA Ophthalmology, 1998, 116, 767.	2.4	11
144	Benefits of Strabismus Surgery in Patients With One Blind Eye. JAMA Ophthalmology, 1995, 113, 404.	2.4	20

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145	Inferior Oblique Muscle Injury from Local Anesthesia for Cataract Surgery. <i>Ophthalmology</i> , 1995, 102, 501-509.	5.2	93
146	Diode Laser Photocoagulation for Threshold Retinopathy of Prematurity. <i>Ophthalmology</i> , 1993, 100, 238-244.	5.2	165
147	Retinopathy of Prematurity: Pathogenesis, Diagnosis, and Treatment. <i>International Ophthalmology Clinics</i> , 1992, 32, 163-184.	0.7	28
148	Abnormal Axonemes in Sperm of Fertile Men. <i>Archives of Andrology</i> , 1986, 16, 1-12.	1.0	8
149	Vitamin E protects against retinopathy of prematurity through action on spindle cells. <i>Nature</i> , 1984, 309, 793-795.	27.8	81