

Joseph M Miller

List of Publications by Year in descending order

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55
papers

1,823
citations

279701

23
h-index

276775

41
g-index

56
all docs

56
docs citations

56
times ranked

1063
citing authors

#	ARTICLE	IF	CITATIONS
1	Computerized method of visual acuity testing: adaptation of the amblyopia treatment study visual acuity testing protocol11Additional technical information about the Electronic Visual Acuity Tester and the Amblyopia Treatment Study visual acuity testing protocol application can be obtained from the lead author (pmoke@jaeb.org).. American Journal of Ophthalmology, 2001, 132, 903-909.	1.7	217
2	Representation of videokeratoscopic height data with Zernike polynomials. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1995, 12, 2105.	0.8	154
3	Vision Screening for Children 36 to <72 Months. Optometry and Vision Science, 2015, 92, 6-16.	0.6	91
4	Measurement of Relative Nerve Fiver Layer Surface Height in Glaucoma. Ophthalmology, 1989, 96, 633-641.	2.5	88
5	Corneal and Refractive Astigmatism in a Sample of 3- to 5-Year-Old Children with a High Prevalence of Astigmatism. Optometry and Vision Science, 1999, 76, 855-860.	0.6	72
6	Measurement of Refractive Error in Native American Preschoolers: Validity and Reproducibility of Autorefraction. Optometry and Vision Science, 2000, 77, 140-149.	0.6	71
7	Visual Acuity Modeling Using Optical Raytracing of Schematic Eyes. American Journal of Ophthalmology, 1995, 120, 227-240.	1.7	69
8	Prevalence of High Astigmatism, Eyeglass Wear, and Poor Visual Acuity Among Native American Grade School Children. Optometry and Vision Science, 2006, 83, 206-212.	0.6	69
9	Correlation of Structure and Function in Glaucoma. Ophthalmology, 1988, 95, 723-727.	2.5	68
10	Amblyopia in astigmatic preschool children. Vision Research, 2003, 43, 1081-1090.	0.7	67
11	Spectacle Prescribing Recommendations of AAPOS Members. Journal of Pediatric Ophthalmology and Strabismus, 1998, 35, 51-52.	0.3	62
12	Clinical Applications of Power Vectors. Optometry and Vision Science, 2009, 86, 599-602.	0.6	58
13	Measurements of Peripapillary Nerve Fiber Layer Contour in Glaucoma. American Journal of Ophthalmology, 1989, 108, 404-413.	1.7	51
14	Associations between Anisometropia, Amblyopia, and Reduced Stereoacuity in a School-Aged Population with a High Prevalence of Astigmatism. , 2008, 49, 4427.		45
15	Amblyopia in astigmatic children: Patterns of deficits. Vision Research, 2007, 47, 315-326.	0.7	42
16	Convergence Insufficiency, Accommodative Insufficiency, Visual Symptoms, and Astigmatism in Tohono Oâ€™odham Students. Journal of Ophthalmology, 2016, 2016, 1-7.	0.6	42
17	A comparison of Lea Symbol vs ETDRS letter distance visual acuity in a population of young children with a high prevalence of astigmatism. Journal of AAPOS, 2009, 13, 253-257.	0.2	38
18	A cost-benefit analysis of vision screening methods for preschoolers and school-age children. Journal of AAPOS, 2003, 7, 283-290.	0.2	34

#	ARTICLE	IF	CITATIONS
19	Normative Monocular Visual Acuity for Early Treatment Diabetic Retinopathy Study Charts in Emmetropic Children 5 to 12 Years of Age. <i>Ophthalmology</i> , 2009, 116, 1397-1401.	2.5	34
20	Changes in visual function following optical treatment of astigmatism-related amblyopia. <i>Vision Research</i> , 2008, 48, 773-787.	0.7	31
21	Accuracy of the Spot and Plusoptix photoscreeners for detection of astigmatism. <i>Journal of AAPOS</i> , 2015, 19, 435-440.	0.2	30
22	Prevalence of Astigmatism in Native American Infants and Children. <i>Optometry and Vision Science</i> , 2010, 87, 400-405.	0.6	27
23	Optical Treatment of Amblyopia in Astigmatic Children. <i>Ophthalmology</i> , 2007, 114, 2293-2301.	2.5	26
24	Treatment of astigmatism-related amblyopia in 3- to 5-year-old children. <i>Vision Research</i> , 2004, 44, 1623-1634.	0.7	25
25	Cost-Efficient Vision Screening for Astigmatism in Native American Preschool Children. , 2003, 44, 3756.		23
26	Anisometropia Prevalence in a Highly Astigmatic School-Aged Population. <i>Optometry and Vision Science</i> , 2008, 85, E512-E519.	0.6	23
27	Astigmatism and Myopia in Tohono O'odham Native American Children. <i>Optometry and Vision Science</i> , 2013, 90, 1267-1273.	0.6	23
28	Reading Fluency in School-Aged Children with Bilateral Astigmatism. <i>Optometry and Vision Science</i> , 2016, 93, 118-125.	0.6	21
29	Optical Modeling of Radial Keratotomy Incision Patterns. <i>American Journal of Ophthalmology</i> , 1996, 122, 808-817.	1.7	20
30	Prevalence of Corneal Astigmatism in Tohono O'odham Native American Children 6 Months to 8 Years of Age. , 2011, 52, 4350.		20
31	Longitudinal Change and Stability of Refractive, Keratometric, and Internal Astigmatism in Childhood. <i>Investigative Ophthalmology and Visual Science</i> , 2015, 56, 190-198.	3.3	20
32	Prescribing Eyeglass Correction for Astigmatism in Infancy and Early Childhood: A Survey of AAPOS Members. <i>Journal of AAPOS</i> , 2005, 9, 189-191.	0.2	17
33	Accuracy of the Welch Allyn SureSight for measurement of magnitude of astigmatism in 3- to 7-year-old children. <i>Journal of AAPOS</i> , 2009, 13, 466-471.	0.2	16
34	Amblyopia in Astigmatic Infants and Toddlers. <i>Optometry and Vision Science</i> , 2010, 87, 330-336.	0.6	16
35	Optical Treatment Reduces Amblyopia in Astigmatic Children Who Receive Spectacles Before Kindergarten. <i>Ophthalmology</i> , 2009, 116, 1002-1008.	2.5	14
36	An optimal reference plane to detect glaucomatous nerve fiber layer abnormalities with computerized image analysis. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 1992, 230, 124-128.	1.0	13

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37	Astigmatism and Amblyopia among Native American Children (AANAC): design and methods. <i>Ophthalmic Epidemiology</i> , 2000, 7, 187-207.	0.8	12
38	Spherical Equivalent Refractive Error in Preschool Children From a Population With a High Prevalence of Astigmatism. <i>Optometry and Vision Science</i> , 2007, 84, 124-130.	0.6	11
39	Inter-Rater and Intra-Rater Reliability in the Interpretation of MTI Photoscreener Photographs of Native American Preschool Children. <i>Optometry and Vision Science</i> , 2000, 77, 473-482.	0.6	10
40	Developmental Changes in Anterior Corneal Astigmatism in Tohono O'odham Native American Infants and Children. <i>Ophthalmic Epidemiology</i> , 2013, 20, 102-108.	0.8	7
41	Accommodation in Astigmatic Children During Visual Task Performance. , 2014, 55, 5420.		7
42	Designing a Rational Screening Program. <i>American Orthoptic Journal</i> , 2006, 56, 30-34.	0.3	6
43	Utility of an open field Shack-Hartmann aberrometer for measurement of refractive error in infants and young children. <i>Journal of AAPOS</i> , 2013, 17, 494-500.	0.2	6
44	Telemedicine distance and near visual acuity tests for adults and children. <i>Journal of AAPOS</i> , 2020, 24, 235-236.	0.2	6
45	Vision in Preschoolers Study. <i>Ophthalmology</i> , 2004, 111, 2313-2314.	2.5	5
46	Higher-order aberrations and best-corrected visual acuity in Native American children with a high prevalence of astigmatism. <i>Journal of AAPOS</i> , 2015, 19, 352-357.e1.	0.2	5
47	A preliminary study of astigmatism and early childhood development. <i>Journal of AAPOS</i> , 2018, 22, 294-298.	0.2	3
48	Infant and Child Vision Research: Present Status and Future Directions. <i>Optometry and Vision Science</i> , 2009, 86, 559-560.	0.6	2
49	Accuracy and validity of IK4 handheld video keratometer measurements in children. <i>Journal of AAPOS</i> , 2011, 15, 407-409.	0.2	2
50	Visual Motor and Perceptual Task Performance in Astigmatic Students. <i>Journal of Ophthalmology</i> , 2017, 2017, 1-7.	0.6	2
51	Spectacle Wear in Toddlers: Frequency of Wear and Impact of Treatment on the Child and Family. <i>Translational Vision Science and Technology</i> , 2018, 7, 43.	1.1	1
52	OD, OS, and OU: Talking in Code?. <i>Journal of Patient Safety</i> , 2019, 15, e1-e2.	0.7	0
53	Objective Assessment of Spectacle Wear in Infants and Toddlers Using a Wearable Sensor. <i>Translational Vision Science and Technology</i> , 2021, 10, 29.	1.1	0
54	A Screening Protocol for Preschool Children Who Are Members of a Population with a High Prevalence of Astigmatism. , 2001, , .		0

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55	A handheld open-field infant keratometer (an american ophthalmological society thesis). Transactions of the American Ophthalmological Society, 2010, 108, 77-95.	1.4	0