

CURRICULUM VITAE
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Education

Postdoctoral

University of Rochester, Center for Visual Science
NIH Postdoctoral Research Fellowship (1972-1973)
Sponsor: Ralph Norman Haber, Ph.D

Graduate

University of Washington, Department of Psychology
M.S. in Psychology, August 1968
Ph.D. in Psychology, December 1972
Advisor: Davida Y. Teller, Ph.D.

Undergraduate

Whitworth College, Spokane, Washington (1963-1965)
University of Washington, Seattle, Washington (1965-1967)
B.A. in English, Spring 1967 (Magna cum Laude)
B.S. in Psychology, Summer 1967

Professional Experience

1994 -	Professor, Department of Ophthalmology and Visual Sciences, University of Illinois at Chicago.
1987 - 1994	Research Associate Professor, Department of Ophthalmology and Visual Sciences, University of Illinois at Chicago.
1981 - 1987	Research Assistant Professor, Department of Ophthalmology and Visual Sciences, University of Illinois at Chicago.
1983	Instructor (part-time), Psychology Department, DePaul University, Chicago.
1973 - 1981	Assistant Professor, Associate Professor of Physiological Optics, Division of Visual Sciences, Illinois College of Optometry, Chicago.
1980 - 1981	Instructor (part-time), School of the Art Institute of Chicago.
1971 - 1972	Research Assistant and Predoctoral Research Associate, University of Washington.

1967 - 1970 Teaching Assistant, University of Washington.

1969 Instructor (part-time), Seattle University.

Honors

- Phi Beta Kappa
- Sigma Xi
- Fellow, Optical Society of America
- Research to Prevent Blindness Senior Scientific Investigator Award
- Marion Schenk, Esq., Endowed Professorship

National Conferences and Committees

- Panel Chair, Conference on Night Vision, National Academy of Sciences and U.S. Air Force (1985)
- Noninvasive Assessment of the Visual System Topical Meeting, Optical Society of America
 - Program Committee Member (1986-1988)
 - Program Chair (1988-1989)
 - General Chair (1989-1990)
 - Advisory Committee Chair (1990-1991)
 - Advisory Committee Member (1991-1993)
- Book Publishing Committee, Optical Society of America
 - Member (1991-1993)
- Vision Technical Group, Optical Society of America
 - Vice-Chair (1992, 1993)
 - Chair (1994, 1995)
- Division of Vision and Color, Optical Society of America
 - Chair (1998-2000)
- Information Technology Committee, Optical Society of America
 - Member (1999-2000)
- Executive Committee of the Technical Council, Optical Society of America
 - Member (1998-2000)

Editorship

- Co-Editor, Feature on "Advances in Electroretinography," *Journal of the Optical Society of America A* (1996)
- Guest Editorial Board Member, *Investigative Ophthalmology and Visual Science* (2000-2004)
- Guest Editor, *Optics and Photonics News*, Special Issue on Vision and Color (2001)

Professional Associations

- American Association for the Advancement of Science
- Association for Research in Vision and Ophthalmology
- International Society for Clinical Electrophysiology of Vision
- Optical Society of America

Publications

Journal Articles

1. Alexander, K.R. (1970) Intermittency in presentation increases identification of masked figures. *Perception and Psychophysics*, 7, 223-224.
2. Teller, D.Y., Matter, C.F., Phillips, W.D., Alexander, K.R. (1971) Sensitization by annular surrounds: Sensitization and masking. *Vision Research*, 11, 1445-1448.
3. Woods, S.C., Alexander, K.R., Porte, D., Jr. (1972) Conditioned insulin secretion and hypoglycemia following repeated injections of tolbutamide in rats. *Endocrinology*, 90, 227-231.
4. Alexander, K.R. (1974) Sensitization by annular surrounds: The effect of test stimulus size. *Vision Research*, 14, 623-631.
5. Alexander, K.R. (1974) Sensitization by annular surrounds: Sensitization and the contrast-flash effect. *Vision Research*, 14, 1107-1113.
6. Mathews, K.E., Canon, L.K., Alexander, K.R. (1974) The influence of level of empathy and ambient noise on body buffer zone. *Personality and Social Psychology Bulletin*. 1, 367-369.
7. Alexander, K.R. (1975) On the nature of accommodative micropsia. *American Journal of Optometry and Physiological Optics*, 52, 79-84.
8. Alexander, K.R. (1975) The Titmus Pediatric Color Perception Test as a color vision screener: A comparative study. *American Journal of Optometry and Physiological Optics*, 52, 338-342.
9. Alexander, K.R. (1975) Color vision testing in young children: A review. *American Journal of Optometry and Physiological Optics*, 52, 332-337.
10. Alexander, K.R., Shansky, M.S. (1976) Influence of hue, value and chroma on the perceived heaviness of colors. *Perception and Psychophysics*, 19, 72-74.
11. Alexander, K.R., Berman, M.S. (1978) The effect of light flashing at 9 Hz on rivalry suppression. *American Journal of Optometry and Physiological Optics*, 55, 390-393.
12. Alexander, K.R., Barry, S.H. (1981) Visual masking and the contrast-flash effect. *Vision Research*, 21, 301-309.
13. Hamer, R.D., Alexander, K.R., Teller, D.Y. (1982) Rayleigh discriminations in young infants. *Vision Research*, 22, 575-587.

14. Sieving, P.A., Fishman, G.A., Alexander, K.R., Goldberg, M.F. (1983) Early receptor potential measurements in human ocular siderosis. *Archives of Ophthalmology*, 101, 1716-1720.
15. Alexander, K.R., Fishman, G.A. (1984) Supernormal scotopic ERG in cone dystrophy. *British Journal of Ophthalmology*, 68, 69-78.
16. Alexander, K.R., Kelly, S.A. (1984) The influence of cones on rod saturation with flashed backgrounds. *Vision Research*, 24, 507-511.
17. Alexander, K.R., Fishman, G.A. (1984) Rod-cone interaction in flicker perimetry. *British Journal of Ophthalmology*, 68, 303-309.
18. Alexander, K.R., Fishman, G.A. (1984) Prolonged rod dark adaptation in retinitis pigmentosa. *British Journal of Ophthalmology*, 68, 561-569.
19. Jampol, L.M., Kraff, M.C., Sanders, D.R., Alexander, K.R., Lieberman, H. (1985) Near-UV radiation from the operating microscope and pseudophakic cystoid macular edema. *Archives of Ophthalmology*, 103, 28-30.
20. Fishman, G.A., Alexander, K.R., Anderson, R.J. (1985) Autosomal dominant retinitis pigmentosa: A method of classification. *Archives of Ophthalmology*, 103, 366-374.
21. Alexander, K.R., Fishman, G.A. (1985) Rod-cone interaction in flicker perimetry: Evidence for a distal retinal locus. *Documenta Ophthalmologica*, 60, 3-36.
22. Alexander, K.R., Kelly, S.A., Morris, M. (1986) Background size and saturation of the rod system. *Vision Research*, 26, 299-312.
23. Alexander, K.R., Hutman, L.P., Fishman, G.A. (1986) Dark-adapted foveal thresholds and visual acuity in retinitis pigmentosa. *Archives of Ophthalmology*, 104, 390-394.
24. Peyman, G.A., Fishman, P.H., Alexander, K.R., Woodhouse, M., Weinreb, R.N. (1986) The effect of ultraviolet, visible and infrared radiation on the rabbit blood-aqueous barrier. *Experimental Eye Research*, 42, 249-254.
25. Alexander, K.R., Fishman, G.A. (1986) Rod influence on cone flicker detection: variation with retinal eccentricity. *Vision Research*, 26, 827-834.
26. Alexander, K.R., Hutman, L.P., Fishman, G.A. (1987) Abnormal foveal spectral sensitivity in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 28, 725-730.
27. Peachey, N.S., Alexander, K.R., Fishman, G.A. (1987) Rod and cone system contributions to oscillatory potentials: An explanation for the conditioning flash effect. *Vision Research*, 27, 859-866.
28. Alexander, K.R., Kilbride, P.E., Fishman, G.A., Fishman, M. (1987) Macular pigment and reduced foveal short-wavelength sensitivity in retinitis pigmentosa. *Vision Research*, 27, 1077-1083.

29. Alexander, K.R., Fishman, G.A., Derlacki, D.J. (1988) Mechanisms of rod-cone interaction: Evidence from congenital stationary nightblindness. *Vision Research*, 28, 575-583.
30. Peachey, N.S., Fishman, G.A., Derlacki, D.J., Alexander, K.R. (1988) Rod and cone dysfunction in carriers of X-linked retinitis pigmentosa. *Ophthalmology*, 95, 677-685.
31. Peachey, N.S., Alexander, K.R., Fishman, G.A. (1989) The luminance-response function of the dark-adapted human electroretinogram. *Vision Research*, 29, 263-270.
32. Peachey, N.S., Alexander, K.R., Fishman, G.A., Derlacki, D.J. (1989) Properties of the human cone system electroretinogram during light adaptation. *Applied Optics*, 28, 1145-1150.
33. Yates, D.W., Derlacki, D.J., Pepperberg, D.R., Alexander, K.R., Fishman, G.A. (1989) Rod increment thresholds in cone-rod dystrophy. *Applied Optics*, 28, 1115-1121.
34. Kilbride, P.E., Alexander, K.R., Fishman, M., Fishman, G.A. (1989) Human macular pigment assessed by imaging fundus reflectometry. *Vision Research*, 29, 663-674.
35. Spellman, D.C., Alexander, K.R., Fishman, G.A., Derlacki, D.J. (1989) Letter contrast sensitivity in retinitis pigmentosa patients assessed by Regan charts. *Retina*, 9, 287-291.
36. Peachey, N.S., Fishman, G.A., Kilbride, P.E., Alexander, K.R., Keehan, K.M., Derlacki, D.J. (1990) A form of congenital stationary night blindness with apparent defect of rod phototransduction. *Investigative Ophthalmology and Visual Science*, 31, 237-246.
37. Peachey, N.S., Alexander, K.R., Derlacki, D.J. (1990) Spatial properties of rod-cone interactions in flicker and hue detection. *Vision Research*, 30, 1205-1210.
38. Peachey, N.S., Alexander, K.R., Derlacki, D.J., Bobak, P., Fishman, G.A. (1991) Effects of light adaptation on the response characteristics of human oscillatory potentials. *Electroencephalography and Clinical Neurophysiology*, 78, 27-34.
39. Peachey, N.S., Alexander, K.R., Fishman, G.A. (1991) Visual adaptation and the cone flicker electroretinogram. *Investigative Ophthalmology and Visual Science*, 32, 1517-1522.
40. Alexander, K.R., Derlacki, D.J., Fishman, G.A., Peachey, N.S. (1991) Acuity-luminance functions and foveal increment thresholds in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 32, 1446-1454.
41. Szlyk, J.S., Fishman, G.A., Master, S.P., Alexander, K.R. (1991) Peripheral vision screening for driving in retinitis pigmentosa patients. *Ophthalmology*, 98, 612-618.

42. Fishman, G.A., Farbman, J.S., Alexander, K.R. (1991) Delayed rod dark adaptation in patients with Stargardt's disease. *Ophthalmology*, 98, 957-962.
43. Peachey, N.S., Alexander, K.R., Derlacki, D.J., Fishman, G.A. (1992) Light adaptation, rods, and the human cone flicker ERG. *Visual Neurosciences*, 8, 145-150.
44. Alexander, K.R., Fishman, G.A., Peachey, N.S., Marchese, A.L., Tso, M.O.M. (1992) 'On' response defect in paraneoplastic night blindness with cutaneous malignant melanoma. *Investigative Ophthalmology and Visual Science*, 33, 477-483.
45. Alexander, K.R., Derlacki, D.J., Fishman, G.A. (1992) Contrast thresholds for letter identification in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 33, 1846-1852.
46. Peachey, N.S., Alexander, K.R., Derlacki, D.J., Fishman, G.A. (1992) Light adaptation and the luminance-response function of the cone electroretinogram. *Documenta Ophthalmologica*, 79, 363-369.
47. Peachey, N.S., Arakawa, K., Alexander, K.R., Marchese, A.L. (1992) Rapid and slow changes in the human cone electroretinogram during light and dark adaptation. *Vision Research*, 32, 2049-2053.
48. Alexander, K.R., Derlacki, D.J., Fishman, G.A., Szlyk, J.P. (1992) Grating, vernier, and letter acuity in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 33, 3400-3406.
49. Fishman, G.A., Vandenburgh, K., Stone, E.M., Gilbert, L.D., Alexander, K.R., Sheffield, V.C. (1992) Ocular findings associated with rhodopsin gene codon 267 and codon 190 mutations in dominant retinitis pigmentosa. *Archives of Ophthalmology*, 110, 1582-1588.
50. Lam, B.L., Fishman, G.A., Anderson, R.J., Smith, D.A., Alexander, K.R. (1992) The effect of mydriasis on visual field area in retinitis pigmentosa. *Ophthalmology*, 99, 1724-1727.
51. Szlyk, J.P., Alexander, K.R., Severing, K., Fishman, G.A. (1992) Assessment of driving performance in patients with retinitis pigmentosa. *Archives of Ophthalmology*, 110, 1709-1713.
52. Milam, A.H., Saari, J.C., Jacobson, S.G., Lubinski, W.P., Feun, L.G., Alexander, K.R. (1993) Autoantibodies against retinal bipolar cells in cutaneous melanoma-associated retinopathy. *Investigative Ophthalmology and Visual Science*, 34, 91-100.
53. Szlyk, J.P., Fishman, G.A., Severing, K., Alexander, K.R., Viana, M. (1993) Evaluation of driving performance in patients with juvenile macular dystrophies. *Archives of Ophthalmology*, 111, 207-212.
54. Szlyk, J.P., Fishman, G.A., Alexander, K.R., Peachey, N.S., Derlacki, D.J. (1993) Clinical subtypes of cone-rod dystrophy. *Archives of Ophthalmology*, 111, 781-788.

55. Alexander, K.R., Derlacki, D.J., Fishman, G.A., Szlyk, J.P. (1993) Temporal properties of letter identification in retinitis pigmentosa. *Journal of the Optical Society of America A*, 10, 1631-1636.
56. Alexander, K.R., Xie, W., Derlacki, D.J. (1993) The effect of contrast polarity on letter identification. *Vision Research*, 33, 2491-2497.
57. Fishman, G.A., Baca, W., Alexander, K.R., Derlacki, D.J., Glenn, A.M., Viana, M. (1993) Visual acuity in patients with Best vitelliform macular dystrophy. *Ophthalmology*, 100, 1665-1670.
58. Fishman, G.A., Pulluru, P., Alexander, K.R., Derlacki, D.J., Gilbert, L.D. (1994) Prolonged rod dark adaptation in patients with cone-rod dystrophy. *American Journal of Ophthalmology*, 118, 362-367.
59. Baca, W., Fishman, G.A., Alexander, K.R., Glenn, A.M. (1994) Dark adaptation in patients with Best vitelliform macular dystrophy. *British Journal of Ophthalmology*, 78, 430-432.
60. Alexander, K.R., Xie, W., Derlacki, D.J. (1994) Spatial-frequency characteristics of letter identification. *Journal of the Optical Society of America A*, 11, 2375-2382.
61. Alexander, K.R., Derlacki, D.J., Fishman, G.A. (1995) Visual acuity vs letter contrast sensitivity in retinitis pigmentosa. *Vision Research*, 35, 1495-1499.
62. Alexander, K.R., Xie, W., Derlacki, D.J., Szlyk, J.P. (1995) Effect of spatial sampling on grating resolution and letter identification. *Journal of the Optical Society of America A* 12, 1825-1833.
63. Fishman, G.A., Alexander, K.R., Milam, A.H., Derlacki, D.J. (1996) Acquired monocular night blindness associated with a negative electroretinogram waveform. *Ophthalmology*, 103, 96-104.
64. Alexander, K.R., Fishman, G.A., Derlacki, D.J. (1996) Intraocular light scatter in patients with retinitis pigmentosa. *Vision Research*, 36, 3703-3709.
65. Alexander, K.R., Fishman, G.A., Swinfard, R.W., Misfeldt, M.L., Milam, A.H. (1996) Sinclair swine with spontaneously regressing cutaneous melanomas do not have autoantibodies against retinal bipolar cells. *Experimental Eye Research*, 63, 347-349.
66. Grover, S., Fishman, G.A., Alexander, K.R., Anderson, R.J., Derlacki, D.J. (1996) Visual acuity impairment in patients with retinitis pigmentosa. *Ophthalmology*, 103, 1593-1600.
67. Shah, M.B., Fishman, G.A., Alexander, K.R., Viana, M. (1996) Stereoacuity testing in patients with retinal and optic nerve disorders. *Documenta Ophthalmologica*, 91, 265-271.
68. Szlyk, J.P., Fishman, G.A., Alexander, K.R., Revelins, B.I., Derlacki, D.J., Anderson, R.J. (1997) Relationship between difficulty in performing daily activities and clinical measures of visual function in patients with retinitis pigmentosa. *Archives of Ophthalmology*, 115, 53-59.

69. Alexander, K.R., Xie, W., Derlacki, D.J. (1997) Visual acuity and contrast sensitivity for individual Sloan letters. *Vision Research*, 37, 813-819.
70. Fishman, G.A., Stone, E.M., Alexander, K.R., Gilbert, L.D., Derlacki, D.J., Butler, N.S. (1997) Serine-27-phenylalanine mutation within the peripherin/RDS gene in a family with cone dystrophy. *Ophthalmology*, 104, 299-306.
71. Grover, S., Fishman, G.A., Anderson, R.J., Alexander, K.R., Derlacki, D.J. (1997) Rate of visual field loss in retinitis pigmentosa. *Ophthalmology*, 104, 460-465.
72. Alexander, K.R., Derlacki, D.J., Xie, W., Fishman, G.A., Szlyk, J.P. (1998) Discrimination of spatial displacements by patients with retinitis pigmentosa. *Vision Research*, 38, 1171-1181.
73. Grover, S., Alexander, K.R., Choi, D. M., Fishman, G.A. (1998) Intraocular light scatter in patients with choroideremia. *Ophthalmology*, 105, 1641-1645.
74. Alexander, K.R., Xie, W., Szlyk, J.P., Derlacki, D.J. (1998) Effect of noise contrast polarity and temporal asynchrony on visual sensitivity. *Journal of the Optical Society of America A*, 15, 2801-2808.
75. Fishman, G.A., Grover, S., Jacobson, S.G., Alexander, K.R., Derlacki, D.J., Wu, W., Buraczynska, M., Swaroop, A. (1998) X-linked retinitis pigmentosa in two families with a missense mutation in the *RPGR* gene and a putative change of glycine to valine at codon 60. *Ophthalmology*, 105, 2286-2296.
76. Barnes, C.S., Brigell, M.G., Alexander, K.R. (1998) ON-pathway dysfunction in a patient with acquired unilateral night blindness. *Retina*, 18, 531-538.
77. Alexander, K.R., Derlacki, D.J., Fishman, G.A. (1999) Coherence and the discrimination of spatial displacements in retinitis pigmentosa. *Vision Research*, 39, 2267-2274.
78. Alexander, K.R., Fishman, G.A., Grover, S. (2000) Temporal frequency deficits in the electroretinogram of the cone system in X-linked retinoschisis. *Vision Research*, 40, 2861-2868.
79. Szlyk, J.P., Seiple, W., Fishman, G.A., Alexander, K.R., Grover, S., Mahler, C.L. (2001) Perceived and actual performance of daily tasks: relationship to visual function tests in patients with retinitis pigmentosa. *Ophthalmology*, 108, 65-75.
80. Alexander, K.R., Pokorny, J., Smith, V. C., Barnes, C.S., Fishman, G.A. (2001) Contrast discrimination deficits in retinitis pigmentosa are greater for stimuli that favor the magnocellular pathway. *Vision Research*, 41, 671-683.
81. Alexander, K.R., Fishman, G.A., Barnes, C.S., Grover, S. (2001) ON-response deficit in the electroretinogram of the cone system in X-linked retinoschisis. *Investigative Ophthalmology and Visual Science*, 42, 453-459.

82. Alexander, K.R., Barnes, C.S., Fishman, G.A. (2001) Origin of deficits in the flicker electroretinogram of the cone system in X-linked retinoschisis as derived from response nonlinearities. *Journal of the Optical Society of America A*, 18, 747-754.
83. Alexander, K.R., Barnes, C.S., Fishman, G.A. (2001) High-frequency attenuation of the cone ERG and ON-response deficits in X-linked retinoschisis. *Investigative Ophthalmology and Visual Science*, 42, 2094-2101.
84. Krishna, V.R., Alexander, K.R., Peachey, N.S. (2002) Temporal properties of the mouse cone ERG. *Journal of Neurophysiology*, 87, 42-48.
85. Grover, S., Alexander, K. R., Fishman, G. A., Ryan, J. (2002) Comparison of intraocular light scatter in carriers of choroideremia and X-linked retinitis pigmentosa. *Ophthalmology*, 109, 159-163.
86. Barnes, C.S., Alexander, K.R., Fishman, G.A. (2002) A distinctive form of congenital stationary night blindness with cone ON-pathway dysfunction. *Ophthalmology*, 109, 575-583.
87. Alexander, K.R., Barnes, C.S., Fishman, G.A., Milam, A.H. (2002) Nature of the cone pathway dysfunction in melanoma-associated retinopathy. *Investigative Ophthalmology and Visual Science*, 43, 1189-1197.
88. Alexander, K.R., Barnes, C.S., Fishman, G.A. (2003) Deficits in temporal integration for contrast discrimination in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 44, 3163-3169.
89. Hawkins, A.S., Szlyk, J.S., Ardickas, Z, Alexander, K.R., Wilensky, J.T. (2003) Comparison of contrast sensitivity, visual acuity, and Humphrey visual field testing in patients with glaucoma. *Journal of Glaucoma*, 12, 134-138.
90. Alexander, K.R., Barnes, C.S., Fishman, G.A. (2003) ON-pathway dysfunction and timing properties of the flicker ERG in carriers of X-linked retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 44, 4017-4025.
91. Xu, L., Ball, S.L., Alexander, K.R., Peachey, N.S. (2003) Pharmacological analysis of the rat cone electroretinogram. *Visual Neuroscience*, 20, 297-306.
92. Alexander, K.R., Barnes, C.S., Fishman, G.A., Pokorny, J., Smith, V.C. (2004) Contrast processing deficits in melanoma-associated retinopathy (MAR). *Investigative Ophthalmology and Visual Science*, 45, 305-310.
93. Rotenstreich, Y., Fishman, G.A., Lindeman, M., Alexander, K.R. (2004) The application of chromatic dark-adapted kinetic perimetry to retinal diseases. *Ophthalmology*, 111, 1222-1227.
94. Alexander, K.R., Barnes, C.S., Fishman, G.A., Pokorny, J., Smith, V.C. (2004) Contrast sensitivity deficits in inferred magnocellular and parvocellular pathways in retinitis pigmentosa. *Investigative Ophthalmology and Visual Science*, 45, 4510-4519.

95. Dryja, T.P., McGee, T.L., Berson, E.L., Fishman, G.A., Sandberg, M.A., Alexander, K.R., Derlacki, D.J., Rajagopalan, A.S. (2005) Night blindness and abnormal cone ERG ON responses in patients with mutations in the GRM6 gene encoding the mGluR6 receptor. *Proceedings of the National Academy of Sciences*, 102, 4884-4889.
96. Alexander, K.R., Barnes, C.S., Fishman, G.A. (2005) Characteristics of contrast processing deficits in X-linked retinoschisis. *Vision Research*, 45, 2095-2107.
97. Alexander, K.R., Rajagopalan, A.S., Seiple, W., Zemon, V.M., Fishman, G.A. (2005) Contrast response properties of magnocellular and parvocellular pathways in retinitis pigmentosa assessed by the visual evoked potential. *Investigative Ophthalmology and Visual Science*, 46, 2967-2973.
98. Rajagopalan, A.S., Shahidi, M., Alexander, K.R., Fishman, G.A., Zelkha, R. (2005) Higher-order wavefront aberrations in retinitis pigmentosa. *Optometry and Vision Science*, 82, 623-628.
99. Fishman, G.A., Jacobson, S.G., Alexander, K.R., Cideciyan, A.V., Birch, D.G., Weleber, R.G., Hood, D.C. (2005) Outcome measures and their application in clinical trials for retinal degenerative diseases: outline, review, and perspective. *Retina*, 25, 772-777.
100. Shahidi, M., Yang, Y, Rajagopalan, A.S., Alexander, K.R., Fishman, G.A. (2005) A method for differentiating between higher-order aberrations and light scatter as applied to retinitis pigmentosa. *Optometry and Vision Science*, 82, 976-980.
101. Alexander, K.R., Levine, M.W., Super, B.J. (2005) Characteristics of period doubling in the human cone flicker electroretinogram. *Visual Neuroscience*, 22, 817-824.
102. McAnany, J.J., Alexander, K.R. (2006) Contrast sensitivity for letter optotypes under conditions biased toward parvocellular and magnocellular pathways. *Vision Research*, 46, 1574-1584.
103. Alexander, K.R., Rajagopalan, A.S., Raghuram, A., Fishman, G.A. (2006) Activation phase of cone phototransduction and the flicker electroretinogram in retinitis pigmentosa. *Vision Research*, 46, 2773-2785.
104. Alexander, K.R., Raghuram, A., Rajagopalan, A.S. (2006) Cone phototransduction and growth of the ERG *b*-wave during light adaptation. *Vision Research*, 46, 3941-3948.
105. Apushkin, M.A., Fishman, G.A., Alexander, K.R., Shahidi, M. (2006) Association between retinal thickness and visual thresholds in patients with retinitis pigmentosa. *Retina* (In Press).
106. Alexander, K.R., Raghuram, A. (2006) Effect of contrast on the frequency response of synchronous period doubling. *Vision Research* (In Press).

Book Chapters, Editorials, Book Reviews

1. Vassilev, A., Alexander, K.R., Teller, D.Y. (1975) Sensitization and edge effects. In *Biokybernetic V*. Gustav Fischer Verlag, Jena.

2. Alexander, K.R. (1987) Spatial and temporal factors affecting night vision: Introduction. In *Night Vision: Current Research and Future Directions*. National Academy Press, Washington, D.C.
3. Alexander, K.R. (1987) Clinical research the theme of 'Noninvasive Assessment of the Visual System' annual meeting (In Focus editorial). *Archives of Ophthalmology*, 105, 621.
4. Alexander, K.R. (1989) Noninvasive topical looks at visual system disorders. *Optics News*, 15, 23.
5. Alexander, K.R. (1990) Book review of "Sensory Systems I: Vision and Visual Systems." *Retina*, 10, 160.
6. Alexander, K.R. (1990) Color Blindness. *Eye Facts* (a Community Service Publication of the UIC Eye Center), Nov/Dec.
7. Alexander, K.R. (1991) Psychophysical testing. In *Principles and Practice of Clinical Electrophysiology of Vision* (Heckenlively, J., Arden, G., eds.), Mosby - Year Book, pp. 445-458.
8. Alexander, K.R. (1992) Book review of "Color Vision Deficiencies." *Retina*, 12, 77.
9. Milam, A.H., Alexander, K.R., Jacobson, S.G., Saari, J.C., Lubinski, W.P., Feun, L.G., Winward, K.E. (1993) Cutaneous melanoma-associated retinopathy. In *Retinal Degeneration: Clinical and Laboratory Applications* (Hollyfield, J.G., LaVail, M.M., Anderson, R.E., eds.), Plenum Publishing Co., pp. 335-342.
10. Alexander, K.R. (1995) Book review of "The Senescence of Human Vision." *Retina*, 15, 177.
11. Alexander, K.R. (1995) Book review of "Higher-Order Processing in the Visual System." *Retina*, 15, 455-456.
12. Alexander, K.R. (1995) Book review of "Early Vision and Beyond." *Optics and Photonics News*, 6, 48.
13. Peachey, N.S., Alexander, K.R., Hood, D.C. (1996) Introduction to Advances in Electroretinography Feature Issue. *Journal of the Optical Society of America A*, 13, 546.
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