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CURRICULUM VITA

EDUCATION/TRAINING

- 1996 -- 1997 Post-doctoral Fellow
McGill Vision Research, Department of Ophthalmology
McGill University, Montreal, Quebec, Canada
Area of research: Spatial and motion perception in normal and amblyopia.
- 1996 School of Optometry, Indiana University, Bloomington, IN, USA
Ph.D. in Visual Science and Physiological Optics
Minor in Computer Science
- 1988 Institute of Biophysics, Chinese Academy of Sciences, Beijing, China
M.S. in Biophysics with emphasis on visual information processing
- 1982 Zhejiang University, Hangzhou, China
B.S. in Information and Electronic Engineering

EXPERIENCE

- 2008 – present Graduate Faculty Member, School of Graduate Studies,
University of North Texas Denton, Texas
- 2000 – present Adjunct Assistant Professor
Department of Ophthalmology
The University of Texas Southwestern Medical Center, Dallas, TX
- 1998 – present Research Scientist
Retina Foundation of the Southwest, Dallas, TX
Area of research: shape perception, perceptual organization, aging,
amblyopia and macular degeneration
- 1997 – 1998 Research Scientist
RetiTech, Inc., El Sobrante, CA
Non-invasive functional evaluation of eye disease
- 1995 -- 1996 Associate Instructor in Visual Science
School of Optometry, Indiana University, Bloomington, IN, USA
- 1991 -- 1996 Research Assistant in Visual Science and Physiological Optics
School of Optometry, Indiana University, Bloomington, IN, USA
- 1988 -- 1990 Lecturer in Neurophysiology and Vision Science
Department of Biology, Zhejiang University, Hangzhou, P.R.China
- 1982 -- 1988 Associate Lecturer in Vision Science
Department of Biology, Zhejiang University, Hangzhou, P.R.China

ASSOCIATIONS

1991-present Member, Association for Research in Vision and Ophthalmology
1991-1996 Member, American Academy of Optometry
1993-2003 Member, Optical Society of America
2003-2007 Member, Vision Sciences Society

AWARDS

2004 Prevent Blindness America Investigator Award

2004 A Pediatric Ophthalmology Research Grant Award,
The Knights Templar Eye Foundation, Inc.

2000 Grants-In-Aid Research Award
Fight For Sight, The Research Division of Prevent Blindness America

1999 Grants-In-Aid Research Award
Fight For Sight, The Research Division of Prevent Blindness America

1996 -- 1997 Post-doctoral Fellowship
McGill Vision Research, Dept. of Ophthalmology, McGill University

1995 American Academy of Optometry Travel Fellowship Award

1994 Ophthalmic Research Institute Student Travel Fellowship Award

1993 Ophthalmic Research Institute Student Travel Fellowship Award

1992 Research Fellowship
Institute for the Study of Human Capabilities, Indiana University

1991 -- 1994 Scholarship/Fellowship/Assistantship
School of Optometry, Indiana University

JOURNAL REFEREE

Gerontology
Investigative Ophthalmology and Visual Science
Journal of the Optical Society of America
Optometry and Vision Science
Vision Research
Journal of Vision,
Visual Neuroscience
Documenta Ophthalmologica

PUBLICATIONS

Chhetri AP, Wen FY, Wang Y-Z, Zhang K. Shape discrimination test on handheld devices for patient self-test. Proc 1st ACM International Health Informatics Symposium (IHI'2010); 2010 11-12 November; Arlington, VA, USA: ACM Press

Drover JR, Morale SE, Wang Y-Z, Stager, Sr. DR, Birch EE. (2010) "Vernier acuity cards: An examination of development and evaluation of clinical/screening validity", *Optometry & Visual Science*, Vol. 87:806-812.

Dallala, R., Wang, Y. Z., and Hess, R. F. (2010) "The global shape detection deficit in strabismic amblyopia: contribution of local orientation and position", *Vision Research*, Vol. 50 (16):1612-1617.

Evans, D. W., Wang, Y.Z., Haggerty, K. M. and Thibos, L. N. (2010) "Effect of sampling array irregularity and window size on the discrimination of sampled gratings", *Vision Research*, Vol. 50 (1), 20-30.

Wang, Y.Z., Morale, S. E., Cousins, R., and Birch, E. E. (2009) "Course of development of global hyperacuity over lifespan", *Optom & Vis Sci*, Vol. 86 (6), 695-700.

Kozma, P., Locke, K. G., Wang, Y. Z., Birch, D. G. and Edwards, A. O. (2007) "Persistent cone dysfunction in acute exudative polymorphous vitelliform maculopathy", *Retina*, Vol. 27, 109-113.

Hess, R. F., Wang, Y. Z. and Liu, Chang Hong (2006) "The accessibility of spatial channels for stereo and motion". *Vision Research*. Vol. 46, 1318-1326.

Wang, Y. Z. and Hess, R. F. (2005) "Contributions of local orientation and position features to shape integration". *Vision Research*. Vol. 45, 1375-83.

Fawcett, S. L., Wang, Y. Z. and Birch, E. E. (2005) "The critical period for susceptibility of human stereopsis", *Invest Ophthalmol Vis Sci*, Vol. 46, 521-525.

Jeffrey, B. G., Wang, Y. Z. and Birch E. E. (2004) "Altered global shape discrimination in deprivation amblyopia". *Vision Research*. Vol.44, 167-177.

Felius J., Wang Y.Z., Birch E.E. (2003) The accuracy of the Amblyopia Treatment Study visual acuity testing protocol. *Journal of AAPOS*, Vol. 7, 406-412.

Hess, R. F., Liu C. H. and Wang, Y. Z. (2003) "Differential binocular input and local stereopsis". *Vision Research*. Vol. 43, 2303-2313.

Achtman, R.L., Hess, R.F., Wang, Y-Z. (2003). "Sensitivity for global shape detection", *Journal of Vision*. Vol.3, 616-624.

Jeffrey, B. G., Wang, Y. Z. and Birch E. E. (2002) "Contour frequency in shape discrimination". *Vision Research*. Vol. 42, 2773-2779.

Wang, Y. Z., Wilson, C. E., Locke, K. G. and Edwards, A. O. (2002) "Shape discrimination in age-related macular degeneration". *Investigative Ophthalmology and Visual Science*. Vol. 43(6), pp.2055-2062.

Hess, R. F., Liu C. H. and Wang, Y. Z. (2002) "Luminance spatial scale and local stereosensitivity". *Vision Research*, Vol. 43, 331-342.

Hess, R. F., Achtman, R. L. and Wang, Y. Z. (2001) "Detection of contrast-defined shape". *Journal of the Optical Society of America, A*. Vol.18, 2220-2227.

Wang, Y. Z. (2001) "Effects of aging on shape discrimination". *Optometry and Vision Science*, Vol.78 (6), pp.447-454

Wang, Y.Z., Thibos, L.N. and Bradley, A. (2001). "Modeling the sampling properties of human cone photoreceptor mosaic". In *Vision Science and Its Applications*, OSA Technical Digest, Optical Society of America, Washington DC, p.20-23.

Castano, J., Wang, Y. Z. and Chuang, D. (2000). "Blood glucose dependence of visual flicker threshold." *Diabetes technology & therapeutics*. Vol. 2, pp.31-43

Wang, Y.Z. and Birch, D.G. (2000) " Local and Global Visual Function Deficits in Patients with Stargardt Disease". OSA Trends in Optics and Photonics Series Vol. 35: Vision Science and Its Applications. Vasudevan Lakshminarayanan, ed. Optical Society of America, Washington, DC, pp. 77-84.

Birch, E. E., Swanson, W. H. and Wang, Y. Z. (2000) "Infant hyperacuity for radial deformation". *Investigative Ophthalmology and Visual Science*. Vol.41, pp.3410-3414.

Achtman, R. L., Hess, R. F. and Wang, Y. Z. (2000) "Regional Sensitivity for shape discrimination". *Spatial Vision*, Vo.13:4, 377-391.

Hess, R.F., Wang, Y.Z. and Dakin, S.J. (1999) "Are judgments of circularity local or global?". *Vision Research*, Vol.39, 4354-4360.

Demanins, R., Wang, Y.Z. and Hess, R.F. (1999). "The neural deficit in strabismic amblyopic: Sampling considerations". *Vision Research*, Vol.39, 3575-3585.

Hess, R.F., Wang, Y.Z., Demanins, R., Wilkinson, F. and Wilson, H.R. (1999). "A deficit in amblyopia for global shape detection". *Vision Research*, Vol.39, 901-914.

Wang, Y.Z., Hess, R.F., and Baker, C.L. Jr. (1997). "Second-order motion perception in peripheral vision: limits of early filtering". *Journal of the Optical Society of America, A*. Vol.14, 3145-3154

Wang, Y.Z., Bradley, A., Thibos, L.N. (1997). "Interaction between sub- and supra-Nyquist spatial frequencies in peripheral vision". *Vision Research*, 37, 2545-2552

Wang, Y.Z., Thibos, L.N., and Bradley, A. (1997). "Effects of spherical defocus on detection, resolution, and letter discrimination in the periphery". *Investigative Ophthalmology and Visual Science*. 38, 2134-2143

Wang, Y. Z., Bradley, A. & Thibos, L. N. (1997). "Aliased frequencies enable the discrimination of compound gratings in peripheral vision". *Vision Research*, 37, 283-290.

Wang, Y.Z. and Thibos, L.N. (1997). "Oblique (off-axis) astigmatism of the reduced schematic eye with elliptical refracting surface". *Optometry and Vision Science*, 74, 557-562

Wang, Y.Z., Thibos, L.N., Lopez, N., Salmon T., and Bradley, A. (1996). "Subjective refraction of the peripheral field using contrast detection acuity". *Journal of American Optometry Association*, Vol.67, pp. 584-589

Wang, Y.Z., Thibos, L.N., & Bradley, A. (1996). "Undersampling produces non-veridical motion perception, but not necessarily motion reversal, in peripheral vision". *Vision Research*, Vol.36, pp. 1737-1744.

Wang, Y.Z., Thibos, L.N. & Lopes, N. (1995). "Peripheral refractive error: A comparison of retinoscopy with a new subjective technique". *VSIA, OSA Technical Digest Series, Optical Society of America*, Washington DC, p.78-81.

Bradley, A., Thibos, L.N., Wang, Y.Z., Haggerty, K. & Poorman, A. (1992). "Imaging FWC". *Ophthal. Physiol. Opt.*, Vol.12, p.128

Pan, Z.H., Wang Y.Z., and Li Y. (1986). "Psychophysical experimental investigations for the primitives of stereogram matching". *Acta Biophysica Sinica*, Vol.2, p.323-340.

Zheng, Z.Y., Jin, G.C., and Wang, Y.Z. (1984). "The contrast sensitivity of VEP to different spatial frequencies". *Physiological Sciences*, No.3, p.49.

INVITED TALKS

Wang, Y.-Z. (2010) “Remote monitoring of visual function in AMD and diabetic retinopathy”. 10th International AMD and Retina Congress, 29-30 October 2010, Lugano, Switzerland

Wang, Y.-Z. (2010) “Functional evaluation of macular diseases using shape discrimination hyperacuity (SDH) test”. Novartis HMT KOL Focus Group Meeting, Berlin, Germany

Wang, Y.-Z. (2008) “Age-Related Macular Degeneration – An Overview”. Dallas County Optometric Society Meeting, Dallas, TX

Wang, Y.-Z. (2008) “Early detection/assessment/monitoring of vision loss in AMD and Stargardt disease”. The 8th Annual Optical Society of America Vision Meeting, Rochester, NY.

Wang, Y.-Z. (2008) “Functional and morphological evaluation of macular degeneration”. Dept. of Ophthalmology, Beijing Tong Ren Hospital, Beijing, China

Wang, Y.-Z. (2008) “Functional and morphological evaluation of degenerative retinal diseases”. ORA Clinical Research and Development, North Andover, MA

Wang, Y.-Z. (2007) “Age-related macular degeneration (AMD): An Overview”. The Greater Dallas Chapter of Medical Transcription Symposium, Dallas, TX.

Wang, Y.-Z. (2007) “Shape Discrimination and Its Clinical Application”. Alcon Visual Performance Symposium, Fort Worth, TX.

Wang, Y.-Z. (2006) “Local features in contour integration”. Oxyopia, School of Optometry, Indiana University, Bloomington, IN.

Wang, Y.-Z. (2004) “Local features in contour integration and shape perception”. Seminar, College of Optometry, University of Houston, Houston, TX.

Wang, Y.-Z. (2000) “Local and global visual function deficits in patients with macular degeneration”. Seminar, McGill Vision Research, Dept. of Ophthalmology, McGill University, Montreal, Canada

Wang, Y.-Z. (1999) “Global hyperacuity and its clinical application”. Oxyopia, School of Optometry, Indiana University, Bloomington, IN.

PRESENTATIONS

Wang Y.-Z., Ying, G.-S., Mitzel, G. and He, Y.-G. (2011) “Sensitivity and specificity of shape discrimination hyperacuity for differentiating exudative AMD from moderate AMD”, Invest. Ophthalmol. Vis. Sci.; E-Abstract 100.

Mitzel, G., Cready, S. M., Wheaton, D. K. and Wang Y.-Z. (2011) “The influence of age and race/ethnicity on visual health in a senior population”, Invest. Ophthalmol. Vis. Sci.; E-Abstract 4223.

Subramanian V., Jost, R. M., Wang, Y-Z., and Birch, E. E. (2011) “Quantification of suppression in strabismic and anisometropic amblyopia”. Invest. Ophthalmol. Vis. Sci.; E-Abstract 6339.

Adams R. J., Dove, C. N., Drover J. R., Courage, M. L. Wang, Y. Z. and Birch E. E. (2010) “Optics and Spatial Vision in Children and Young Adults With Autism Spectrum Disorder”, J Vis August 6, 2010 10(7): 464.

Wang Y.-Z., Furlan, J., Mitzel, G., and He, Y.-G. (2010) “The Effect of Macular Edema on Shape Discrimination Hyperacuity”, Invest. Ophthalmol. Vis. Sci.; E-Abstract 547.

He Y.-G., Chhetri A., Bartlett M., Mitzel G., Zhang K., Krenik B. and Wang Y.-Z. (2010) “A Handheld-Based Shape Discrimination Testing Method for Visual Function Monitoring”, Invest. Ophthalmol. Vis. Sci.; E-Abstract 1832

Adams R.J., Dove C.N., Drover J.R., Norman BR, Birch EE, Wang Y-Z, Courage ML. (2010) “Assessing eye and visual functioning in children and young adults with autism spectrum disorder”. Invest. Ophthalmol. Vis. Sci.; E-Abstract 127

Subramanian V, S. E. Morale, Y-Z Wang, E. E. Birch (2010) Abnormal Radial Deformation Hyperacuity in Young Children with Strabismic Amblyopia. AAPOS

Wang Y.-Z., Caniano G., Locke K.G., and Birch D.G. (2009) “The Rate of Progressive Loss of Shape Discrimination Hyperacuity and Visual Acuity in Stargardt Macular Dystrophy”, Invest. Ophthalmol. Vis. Sci. 50: E-Abstract 3502.

Wang, Y.-Z (2008) “Early detection/assessment/monitoring of vision loss in AMD and Stargardt disease”. The 8th Annual Optical Society of America Vision Meeting, Rochester, NY.

Wang, Y.-Z., Morale, S. E., Cousins, R. Birch E. E. (2008) “The Course of Development of Global Hyperacuity Over Lifespan”. Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Birch, D. G., Locke, K. G., Wang, Y.-Z., Edwards, A. O. (2008) “MfERG and OCT in Acute Exudative Polymorphous Vitelliform Maculopathy (AEPVM)”. Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Drover, J. R., Wang, Y.-Z., Stager, D. R. Birch E. E. (2008) “Validity of the Vernier Acuity Test”. AAPOS Annual Meeting.

Wang, Y.-Z., Wilson, C. E. (2007) "Effects of Aging and Age-Related Macular Degeneration (AMD) on the Detection of Global Structure From Noise Background". Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Drover, J. R., Wang, Y.-Z., Stager, D. R. Birch E. E. (2007) "Validity of the Preschool Vernier Acuity Test". Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

B.F. Godley, F.Q. Liang, Y.-Z.Wang, J.Cai, H.Lin, M.E. Boulton (2007) "Correlation of Mitochondrial DNA Damage With Progression of Age-Related Macular Degeneration". Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Wang, Y.-Z., Wilson, C. E., Edwards, A. O., Godley, B., and Birch, D. G., (2006) "A New Shape Discrimination Test for Evaluating Central Vision for Age-Related Macular Degeneration". ARVO Summer Meeting on Age-Related Macular Degeneration, Fort Myers, Florida.

Bosworth, R. G., Wang, Y.-Z., and Birch, E. E. (2006) "Local and Global Motion Sensitivity in Infantile Esotropia and Normal Subjects from 3 months to 5 years of age". Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Wang, Y.-Z., Wilson, C. E., Feliuss, J. and Birch, E. E. (2006) "The Roles of Position and Orientation Features in Shape Discrimination Deficits of Amblyopia." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida.

Wang, Y.-Z., Wilson, C. E. Locke, K. G., and Godley, B. F. (2005) "Screening for early age-related macular degeneration (AMD) using a new shape discrimination chart." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida, #3315

Wang, Y.-Z. and Feliuss, J. (2005) "The role of spatial phase in the detection of position-defined and orientation-defined linear and circular contour deformation." Fifth Annual Meeting of Vision Sciences Society, Sarasota, Florida, p.58.

Hess, R. F., Wang, Y.-Z. and Liu, C. H. (2005) "Accessibility of spatial channels." Fifth Annual Meeting of Vision Sciences Society, Sarasota, Florida, p.50.

Wang, Y.-Z. and Wilson, C. E. (2004) "A New Shape Discrimination Chart for Macular Degeneration." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida. #3085

Morale, S.E., O'Connor, A.R., Wang, Y.-Z., and Birch, E.E. (2004) "Adaptation of Radial Deformation Protocols For Use with Young Children." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida. #2565

- Liang, F.-Q., Wang, C., Locke, K., Wang, Y.-Z., Birch, D.G., Godley, B.F. (2004) "Heparin Enhances AAV2-mediated Transduction Efficiency In The Mouse Retina." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida. #4772
- Wang, Y.-Z., Kozma, P. and Wilson, C. E. (2004) "Effects of Disrupting Local Orientation and Position Features on the Detection of Orientation-Defined Shape Difference." Fourth Annual Meeting of Vision Sciences Society, Sarasota, Florida, p.173.
- Wang, Y.-Z. and Hess, R. F. (2003) "Integration of local orientational and positional contour features in shape discrimination." Third Annual Meeting of Vision Sciences Society, Sarasota, Florida, p.183.
- Wang, Y.-Z. and Hess, R. F. (2003) "Contributions of local orientational and positional contour features to shape discrimination." Annual Meeting of Association for Research in Vision and Ophthalmology, Fort Lauderdale, Florida. #4318
- Wang, Y. Z. (2003) "Fundus Features and Visual Function in Macular Degeneration", FFB Southwest Regional Center Conference, Houston.
- Wang, Y. Z. and Birch, D. G. (2002). "The Effect of Undersampling, Irregular Sampling and Parafoveal Scotoma on Shape Discrimination". Fall Vision Meeting in San Francisco, Oct. 2002.
- Achtman, R.L., Hess, R.F., Wang, Y-Z. (2002). "Sensitivity for global shape detection". Perception (Supplement), 31: 153. Presented at 25th European Conference on Visual Perception (ECVP), Aug. 2002, Glasgow, Scotland.
- Wang, Y.Z. and C.E. Wilson (2002). "Global visual integration in aging". Association for Research in Vision and Ophthalmology.
- O'Connor A, Wang Y. Z, Birch E. (2002). "Detection of radial deformation in amblyopia". Association for Research in Vision and Ophthalmology.
- Wang, Y. Z., Wilson, C. E., Locke, K. G. and Edwards, A. O. (2001) "Aging and shape discrimination: The effect of stimulus contrast." *Conference on Aging Retina and Early Degeneration*, Boston, MA.
- Wang, Y.Z., Wilson, C.E., and Edwards, A.O. (2001) "Shape discrimination in age-related macular degeneration". *Investigative Ophthalmology and Visual Science*, Vol.42, p.S707.
- Jeffrey, B.G., Wang, Y.Z., and Birch, E.E. (2001) "Local and global spatial discrimination deficits in deprivation amblyopia". *Investigative Ophthalmology and Visual Science*, Vol.42, p.S53.
- Wang, Y.Z., Wilson, C.E., Locke, K.G. and Birch, D.G. (2000) "Shape discrimination deficits in early onset hereditary eye diseases involving macula". *Investigative Ophthalmology and Visual Science*, Vol.41, p.S723.

- Jeffrey, B.G., Wang, Y.Z., and Birch, E.E. (2000) "Local and global spatial discrimination in children with unilateral deprivation amblyopia". *Investigative Ophthalmology and Visual Science*, Vol.41, p.S534.
- Wang, Y.Z. and Birch, D.G. (2000). "Local and global visual function deficits in patients with ABCR gene mutations". *VSIA, OSA Technical Digest Series, Optical Society of America*, p.47-50
- Wang, Y.Z. (1999). "The effects of aging on the detection of the deformation of circular D4 contour". *Conference on Aging Retina and Early Degeneration*, Boston, MA
- Achtman, R., Hess, R.F. and Wang, Y.Z. (1999). "2nd order shape: Effect of carrier orientation?". *Investigative Ophthalmology and Visual Science*, Vol.40, p.S351
- Wang, Y.Z., Hess, R.F. and Dakin, S.C. (1999). "Shape discrimination: Sides or corners?". *Investigative Ophthalmology and Visual Science*, Vol.40, p.S811
- Demanins, R., Wang, Y.Z. and Hess, R.F. (1998). "Relative contribution of under- and irregular sampling in strabismic amblyopia". *Investigative Ophthalmology and Visual Science*, Vol.39, p.S329
- Wang, Y.Z., Hess, R.F. and Dakin, S.C. (1998). "Judgments of circularity: Local or global?". *Investigative Ophthalmology and Visual Science*, Vol.39, p.S847
- Wang, Y.Z., Hess, R.F., Bradley, A., and Thibos, L.N. (1997). "Effects of optical aberrations on the sensitivity for radial frequency modulations". *Optical Society of America Annual Meeting*
- Thibos, L.N., Evans, D.W., Wang, Y.Z., and Haggerty, K.M. (1997). "Effect of sampling irregularity and window size on orientation discrimination". *Optical Society of America Annual Meeting*
- Wang, Y.Z., Hess, R.F., Demanins, R., Wilkinson, F. and Wilson H.R. (1997). "Sensitivity for radial frequency modulations in strabismic amblyopia". *Investigative Ophthalmology and Visual Science*, Vol. 38, p.S446
- Demanins, R., Wang, Y.Z. and Hess, R.F. (1997). "Does the spatial filtering loss in strabismic amblyopia impose a fundamental limit to nonlinear motion perception?". *Investigative Ophthalmology and Visual Science*, Vol. 38, p.S105
- Wang, Y.Z. and Thibos, L.N. (1996). "Effect of sampling array orientation and irregularity on direction discrimination of supra-Nyquist drift gratings". *Investigative Ophthalmology and Visual Science*, Vol.36, p.S747
- Wang, Y.Z. and Thibos, L.N. (1995). "Reduced eye model of ocular astigmatism with aspheric refracting surface". *Optometry and Vision Science*, Vol.72 (suppl.), p.67.
- Wang, Y.Z., Bradley, A., Barrett, B. and Thibos, L.N. (1995). "Direction discrimination of moving grating with different orientations and drifting rates in peripheral vision". *Optometry and Vision Science*, Vol.72 (suppl.), p.122.

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- Wang, Y.Z., Thibos, L.N. & Bradley, A. (1995). "Motion perception of aliased gratings in the periphery". *Investigative Ophthalmology and Visual Science*, Vol.36, p.S55
- Evans, D.W., Wang, Y.Z., & Thibos, L.N. (1994). "Relationship of orientation discrimination performance to sampling array density and irregularity". *Optometry and Vision Science*, Vol.71 (suppl.), p.147
- Begley, C.G., Wang, Y.Z., Tyler, J. Bjorseth, C. & Carroll C. (1994). "Computerized interactive contact lens fitting". *Optometry and Vision Science*, Vol.71 (suppl.), p.101
- Wang, Y.Z., Thibos, L.N. & Bradley, A. (1994). "A new method for subjective refraction in the periphery". *Optometry and Vision Science*, Vol.71 (suppl.), p.83
- Wang, Y.Z., Bradley, A. & Thibos, L.N. (1994). "Masking Effect of supra-Nyquist gratings on sub-Nyquist gratings in peripheral vision". *Investigative Ophthalmology and Visual Science*, Vol.35, p.1954
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- Wang, Y.Z., Thibos, L.N. & Bradley, A. (1993). "Masking effect of sub-Nyquist gratings on the detection of sub- and supra-Nyquist gratings in peripheral vision". *OSA Annual Meeting Technical Digest*, Vol.16, p.205
- Wang, Y.Z., Thibos, L.N., Anderson, R.S., Bradley, A. & Haggerty, K.M. (1993). "Effect of sampling array irregularity on the perception of supra-Nyquist moving gratings". *Optometry and Vision Science*, Vol.70 (suppl.), p.96
- Wang, Y.Z., Anderson, R.S., Thibos, L.N. & Bradley, A. (1993). "Aliased frequencies enable the discrimination of compound gratings in peripheral vision". *Investigative Ophthalmology and Visual Science*, Vol.34, p.777
- Anderson, R.S., Wang, Y.Z., and Thibos, L.N. (1992). "Factors affecting letter discrimination in the fovea and periphery". *Investigative Ophthalmology and Visual Science*, Vol.33, p.1344
- Wang, Y.Z., Jin, G.C., and Cheng, Z.Y. (1989). "The application of signal processing techniques in VEP research". *Symposium on Cybernetics and Biomedical Engineering, Shi-Jia-Zhuang, China*
- Wang, Y.Z. and Li Y. (1986). "The analysis of some geometrical visual illusions by using perceptive field theory". *The 5th Chinese Biophysics Conference, Hangzhou.*