



A selection of peer-reviewed publications from our customers

irx3 Wavefront Aberrometer

N. López-Gil, V. Fernández-Sánchez, L. N. Thibos, and R. Montés-Micó , " Objective Amplitude of Accommodation Computed from Optical Quality Metrics Applied to Wavefront Outcomes," *Journal of Optometry* **2**, 223-234 (2009).

M. A. Miranda, C. O'Donnell, and H. Radhakrishnan , " Repeatability of corneal and ocular aberration measurements and changes in aberrations over one week," *Clinical and Experimental Optometry* **92**, 253-266 (2009).

N. W. Charman, R. Montés-Micó, and H. Radhakrishnan , " Problems in the Measurement of Wavefront Aberration for Eyes Implanted With Diffractive Bifocal and Multifocal Intraocular Lenses," *Journal of Refractive Surgery* **24**, (2008).

N. W. Charman and H. Radhakrishnan , " Accommodation, pupil diameter and myopia," *Ophthalmic and Physiological Optics* **29**, 72-79 (2008).

H. Radhakrishnan and C. O'Donnell , " Aberrometry in clinical practice: Case series," *Contact lens and anterior eye* **31**, 207-211 (2008).

N. Asejczyk-Widlicka and B. K. Pierscionek , " Fluctuations in intraocular pressure and the potential effect on aberrations of the eye," *British Journal of Ophthalmology* **91**, 1054-1058 (2007).

E. Hermans, M. Dubbelman, R. van der Heijde, and R. Heethaar , " The shape of the human lens nucleus with accommodation," *Journal of Vision* **7**, 16.1-10 (2007).

H. Radhakrishnan and N. W. Charman , " Age-related changes in ocular aberrations with accommodation," *Journal of Vision* **7**, 11.1-11 (2007).

H. Radhakrishnan and N. W. Charman , " Changes in astigmatism with accommodation," *Ophthalmic and Physiological Optics* **27**, 275-280 (2007).

H. Radhakrishnan and N. W. Charman , " Refractive changes associated with oblique viewing and reading in myopes and emmetropes," *Journal of Vision* **7**, 5.1-15 (2007).

crx1 Adaptive Optics Visual Simulator

H. Rouger, Y. Benard, and R. Legras , " Effect of Monochromatic Induced Aberrations on Visual Performance Measured by Adaptive Optics Technology," *Journal of Refractive Surgery* **Online advanced release**, (2010).

K. M. Rocha, L. Vabre, N. Chateau, and R. R. Krueger , " Expanding depth of focus by modifying higher-order aberrations induced by an adaptive optics visual simulator," *Journal of Cataract & Refractive Surgery* **35**, 1885-1892 (2009).

R. Legras and H. Rouger , " Calculations and Measurements of the Visual Benefit of Correcting the Higher-order Aberrations Using Adaptive Optics Technology," *Journal of Optometry* **1**, 22-29 (2008).

K. M. Rocha, L. Vabre, F. Harms, N. Chateau, and R. R. Krueger , " Effects of Zernike wavefront aberrations on visual acuity measured using electromagnetic adaptive optics technology," *Journal of Refractive Surgery* **23**, 953-959 (2007).