

## AO Kit with miscellaneous phase modulators

### **“Active control of laser wavefronts in atom interferometers”**

*A. Trimeche, M. Langlois, S. Merlet and F. Pereira Dos Santos*

Phys. Rev. Applied 7, 034016 (2017)

<https://doi.org/10.1007/s00340-015-6138-5>

### **“Compensation of a distorted N-fold orbital angular momentum multicasting link using adaptive optics”**

*S. Li and J. Wang*

Opt. Lett. 41, 1482-1485 (2016)

<https://doi.org/10.1364/OL.41.001482>

### **“Pulse front adaptive optics: a new method for control of ultrashort laser pulses”**

*B. Sun, P. S. Salter and M. J. Booth*

Opt. Express 23(15),19348-57 (2015)

<https://doi.org/10.1364/OE.23.019348>

### **“Adaptive optics compensation of multiple orbital angular momentum beams propagating through emulated atmospheric turbulence”**

*Y. Ren, G. Xie, H. Huang, C. Bao, Y. Yan, N. Ahmed, M. Lavery, B. Erkmen, S. Dolinar, M. Tur, M. Neifeld, M. Padgett, R. Boyd, J. Shapiro and A. Willner*

Opt. Lett. 39, 2845-2848 (2014)

<https://doi.org/10.1364/OL.39.002845>

### **“Single-atom trapping in holographic 2D arrays of microtraps with arbitrary geometries”**

*F. Nogrette, H. Labuhn, S. Ravets, D. Barredo, L. Béguin, A. Vernier, T. Lahaye and A. Browaeys*

Phys. Rev. X 4, 021034 (2014)

<https://doi.org/10.1103/PhysRevX.4.021034>

### **“Adaptive optics in an optical trapping system for enhanced lateral trap stiffness at depth”**

*M. C. Mullenbroich, N. McAlinden and A. J. Wright*

J. Opt. 15, 075305 (2013)

<http://doi.org/10.1088/2040-8978/15/7/075305>

### **“Independent control of beam astigmatism and ellipticity using a SLM for fs-laser waveguide writing”**

*R. de la Cruz, A. Ferrer, W. Gawelda, D. Puerto, M. Galván Sosa, J. Siegel and J. Solis*

Opt. Express 17, 20853-20859 (2009)

<https://doi.org/10.1364/OE.17.020853>

**“Correction of aberration in holographic optical tweezers using a Shack-Hartmann sensor”**

*C. López-Quesada, J. Andilla and E. Martín-Badosa*

Appl. Opt. 48, 1084-1090 (2009)

<https://doi.org/10.1364/AO.48.001084>

**“Off-axis aberration correction for a wide field scanning telescope”**

*C. Scott, B. Potsaid and J.T. Wen*

Proc SPIE 7266, 72660Y (2008)

<https://doi.org/10.1117/12.816439>

**“Compact active high-resolution imaging system”**

*I. Buske and W. Riede*

Proc. SPIE 7112, 71120B (2008)

<https://doi.org/10.1117/12.800309>

**“Characterization of MEMs mirrors for use in atmospheric and ocular wavefront correction”**

*N. Devaney, D. Coburn, C. Coleman, J. C. Dainty, E. Dalimier, T. Farrell, D. Lara, D. Mackey and R. Mackey*

Proc. SPIE 6888, 688802 (2008)

<https://doi.org/10.1117/12.773641>

**“Effect of the twisted alignment on the liquid crystal wave-front corrector”, Liquid Crystals”**

*Z. Cao, Q. Mu, G. Dovillaire, T. Grandin, E. Lavergne, L. Hu and L. Xuan*

Liquide Crystals 34, 1227-1232 (2007)

<http://dx.doi.org/10.1080/02678290701658274>

**“A liquid crystal atmospheric turbulence simulator”**

*L. Hu, L. Xuan, Z. Cao, Q. Mu, D. Li and Y. Liu*

Opt. Express 14, 11911-11918 (2006)

<https://doi.org/10.1364/OE.14.011911>

**“Adaptive optics imaging system based on a high-resolution liquid crystal on silicon device”**

*Q. Mu, Z. Cao, L. Hu, D. Li and L. Xuan*

Opt. Express 14, 8013-8018 (2006)

<https://doi.org/10.1364/OE.14.008013>