Guang-Ming Dai

List of Publications by Year
in descending order

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17	653	840776 11	1058476 14
papers	citations	h-index	g-index

18	18	18	352
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical analysis for spherical aberration induction with low-order correction in refractive surgery. Applied Optics, 2012, 51, 3966.	1.8	3
2	Validity of Scaling Zernike Coefficients to a Larger Diameter for Refractive Surgery. Journal of Refractive Surgery, 2011, 27, 837-841.	2.3	8
3	Wavefront propagation from one plane to another with the use of Zernike polynomials and Taylor monomials. Applied Optics, 2009, 48, 477.	2.1	11
4	Wavefront Reconstruction Methods. Journal of Refractive Surgery, 2009, 25, 9-10.	2.3	1
5	Orthonormal polynomials for hexagonal pupils: addendum. Optics Letters, 2008, 33, 1077.	3.3	0
6	Orthonormal polynomials in wavefront analysis: error analysis. Applied Optics, 2008, 47, 3433.	2.1	43
7	Nonrecursive determination of orthonormal polynomials with matrix formulation. Optics Letters, 2007, 32, 74.	3.3	54
8	Zernike annular polynomials and atmospheric turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 139.	1.5	36
9	Orthonormal polynomials in wavefront analysis: analytical solution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2994.	1.5	121
10	Pitfalls in Using Zernike Circle Polynomials Over Noncircular Pupils. , 2007, , .		0
11	Orthonormal Polynomials for Wavefront Analysis in Optical Testing. , 2007, , .		0
12	Zernike aberration coefficients transformed to and from Fourier series coefficients for wavefront representation. Optics Letters, 2006, 31, 501.	3.3	22
13	Orthonormal polynomials for hexagonal pupils. Optics Letters, 2006, 31, 2462.	3.3	36
14	Scaling Zernike expansion coefficients to smaller pupil sizes: a simpler formula. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 539.	1.5	49
15	Wavefront expansion basis functions and their relationships. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1657.	1.5	20
16	Comparison of Wavefront Reconstructions With Zernike Polynomials and Fourier Transforms. Journal of Refractive Surgery, 2006, 22, 943-948.	2.3	30
17	Modal wave-front reconstruction with Zernike polynomials and Karhunenâ€“LoÃ¨ve functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 1218.	1.5	106