

Vincent Michau

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

682
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

327
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of centroid computation algorithms in a Shack-Hartmann sensor. Monthly Notices of the Royal Astronomical Society, 2006, 371, 323-336.	4.4	200
2	Optimal wave-front reconstruction strategies for multiconjugate adaptive optics. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 2527.	1.5	123
3	Improvement of Shack-Hartmann wave-front sensor measurement for extreme adaptive optics. Optics Letters, 2004, 29, 2743.	3.3	85
4	Efficient phase estimation for large-field-of-view adaptive optics. Optics Letters, 1999, 24, 1472.	3.3	44
5	Study of optimal wavefront sensing with elongated laser guide stars. Monthly Notices of the Royal Astronomical Society, 2008, 387, 173-187.	4.4	43
6	Myopic deconvolution from wave-front sensing. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2001, 18, 862.	1.5	39
7	Sky coverage estimation for multiconjugate adaptive optics systems: strategies and results. Monthly Notices of the Royal Astronomical Society, 2006, 370, 174-184.	4.4	28
8	C_n^2 profile measurement from Shack-Hartmann data. Optics Letters, 2007, 32, 2659.	3.3	28
9	Investigation on adaptive optics performance from propagation channel characterization with the small optical transponder. Optical Engineering, 2016, 55, 111611.	1.0	22
10	Laser beam complex amplitude measurement by phase diversity. Optics Express, 2014, 22, 4575.	3.4	19
11	Mid-infrared Shack-Hartmann wavefront sensor fully cryogenic using extended source for endoatmospheric applications. Optics Express, 2012, 20, 15636.	3.4	13
12	Photon return analysis of a polychromatic laser guide star. Optics Communications, 2000, 178, 405-409.	2.1	10
13	Sensing more modes with fewer sub-apertures: the LIFTed Shack-Hartmann wavefront sensor. Optics Letters, 2014, 39, 2835.	3.3	8
14	Experimental demonstration of the full-wave iterative compensation in free space optical communications. Optics Letters, 2013, 38, 2367.	3.3	7
15	Differential focal anisoplanatism in laser guide star wavefront sensing on extremely large telescopes. Optics Letters, 2011, 36, 4071.	3.3	5
16	Pulse compression by Raman induced cavity dumping of a homogeneously pumped oscillator and amplifier. Optics Communications, 1985, 54, 301-304.	2.1	4
17	Tunable and high-energy Q-switched operation of an alexandrite slave ring laser. Applied Physics B: Lasers and Optics, 1986, 39, 219-222.	2.2	4
18	Misalignment estimation for active telescopes. CEAS Space Journal, 2019, 11, 553-559.	2.3	0