

Chensheng Wu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6421984/publications.pdf>

Version: 2024-02-01

40
papers

258
citations

933447

10
h-index

996975

15
g-index

40
all docs

40
docs citations

40
times ranked

194
citing authors

#	ARTICLE	IF	CITATIONS
1	Assisting target recognition through strong turbulence with the help of neural networks. Applied Optics, 2020, 59, 9434.	1.8	7
2	Lossy wavefront sensing and correction of distorted laser beams. Applied Optics, 2020, 59, 817.	1.8	8
3	Light field camera study of near-ground turbulence anisotropy and observation of small outer-scales. Optics Letters, 2020, 45, 1156.	3.3	3
4	Exploiting forward-scattering asymmetry in imaging and surface profile measurements through scattering media. OSA Continuum, 2020, 3, 410.	1.8	3
5	Quadrant Fourier transform and its application in decoding OAM signals. Optics Letters, 2020, 45, 4428.	3.3	1
6	Measuring the turbulence profile in the lower atmospheric boundary layer. Applied Optics, 2019, 58, 6934.	1.8	13
7	Randomized spectral sampling for efficient simulation of laser propagation through optical turbulence. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 3249.	2.1	24
8	Extracting phase distortion from laser glints on a remote target using phase space plenoptic mapping. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1964.	2.1	4
9	Comparison between the plenoptic sensor and the light field camera in restoring images through turbulence. OSA Continuum, 2019, 2, 2511.	1.8	6
10	Fundamental differences between the plenoptic sensor and the light field camera in imaging through turbulence. , 2019, , .		0
11	Observing single and multiple laser glints through anisotropic turbulence with a plenoptic sensor. , 2019, , .		1
12	Characterization and compensation of atmospheric effects on laser beams. , 2019, , .		0
13	Multi-aperture laser transmissometer system for long-path aerosol extinction rate measurement. Applied Optics, 2018, 57, 551.	1.8	15
14	Phase and amplitude beam shaping with two deformable mirrors implementing input plane and Fourier plane phase modifications. Applied Optics, 2018, 57, 2337.	1.8	14
15	Using turbulence scintillation to assist object ranging from a single camera viewpoint. Applied Optics, 2018, 57, 2177.	1.8	12
16	Near ground surface turbulence measurements and validation: a comparison between different systems. , 2018, , .		5
17	Object detection and geometric profiling through dirty water media using asymmetry properties of backscattered signals. , 2018, , .		0
18	A multi-aperture laser transmissometer for detailed characterization of laser propagation over long paths through the turbulent atmosphere. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	A detailed comparison of non-Kolmogorov and anisotropic optical turbulence theories using wave optics simulations. , 2018, , .		0
20	Atmospheric characterization on the Kennedy Space Center Shuttle Landing Facility. , 2017, , .		0
21	Phase and amplitude modification of a laser beam by two deformable mirrors using conventional 4f image encryption techniques. , 2017, , .		0
22	Hybrid wavefront sensing and image correction algorithm for imaging through turbulent media. , 2017, , .		0
23	Plenoptic mapping for imaging and retrieval of the complex field amplitude of a laser beam. Optics Express, 2016, 24, 29852.	3.4	15
24	Complex wavefront sensing with a plenoptic sensor. Proceedings of SPIE, 2016, , .	0.8	2
25	Implementation of a rapid correction algorithm for adaptive optics using a plenoptic sensor. , 2016, , .		3
26	Imaging through strong turbulence with a light field approach. Optics Express, 2016, 24, 11975.	3.4	31
27	Using a plenoptic sensor to reconstruct vortex phase structures. Optics Letters, 2016, 41, 3169.	3.3	29
28	Imaging through water turbulence with a plenoptic sensor. Proceedings of SPIE, 2016, , .	0.8	0
29	Entropy studies on beam distortion by atmospheric turbulence. Proceedings of SPIE, 2015, , .	0.8	0
30	Imaging through turbulence using a plenoptic sensor. Proceedings of SPIE, 2015, , .	0.8	3
31	Object recognition through turbulence with a modified plenoptic camera. Proceedings of SPIE, 2015, , .	0.8	2
32	Determining the phase and amplitude distortion of a wavefront using a plenoptic sensor. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 964.	1.5	34
33	An adaptive optics approach for laser beam correction in turbulence utilizing a modified plenoptic camera. Proceedings of SPIE, 2015, , .	0.8	4
34	Phase and amplitude wave front sensing and reconstruction with a modified plenoptic camera. Proceedings of SPIE, 2014, , .	0.8	2
35	Intelligent correction of laser beam propagation through turbulent media using adaptive optics. , 2014, , .		1
36	3D geometric modeling and simulation of laser propagation through turbulence with plenoptic functions. Proceedings of SPIE, 2014, , .	0.8	1

#	ARTICLE	IF	CITATIONS
37	Experimental results on the enhanced backscatter phenomenon and its dynamics. , 2014, , .		0
38	Geometrical optics analysis of atmospheric turbulence. Proceedings of SPIE, 2013, , .	0.8	0
39	Modified plenoptic camera for phase and amplitude wavefront sensing. Proceedings of SPIE, 2013, , .	0.8	10
40	Using a plenoptic camera to measure distortions in wavefronts affected by atmospheric turbulence. , 2012, , .		4