Mingjian Cheng

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Scattering of partially coherent vortex beam by rough surface in atmospheric turbulence. Optics Express, 2022, 30, 4165.	3.4	6
2	Attenuation characteristics of Bessel Gaussian vortex beam by a wet dust particle. Optics Communications, 2022, 514, 128138.	2.1	4
3	Statistical model for the weak turbulence-induced attenuation and crosstalk in free space communication systems with orbital angular momentum. Optics Express, 2021, 29, 12644.	3.4	9
4	Propagation characteristics of Bessel Gaussian localized wave in turbulent atmosphere. , 2021, , .		0
5	Polarization characteristics of radially polarized partially coherent vortex beam in anisotropic plasma turbulence. Waves in Random and Complex Media, 2020, , 1-14.	2.7	10
6	Aerosol scattering of vortex beams transmission in hazy atmosphere. Optics Express, 2020, 28, 28072.	3.4	8
7	Identifying orbital angular momentum modes in turbulence with high accuracy via machine learning. Journal of Optics (United Kingdom), 2019, 21, 075703.	2.2	16
8	The scattering of Vortex Electromagnetic Waves by a coated sphere. , 2018, , .		2
9	Spreading and wander of partially coherent beams propagating in the turbulent atmosphere. , 2018, , .		0
10	Turbulence induced beam wander effect on laser satellite communication systems. , 2018, , .		0
11	Characterizing turbulence-induced orbital angular momentum modes on Gaussian–Schell model beam in the atmosphere with wave-front correction. Optik, 2018, 171, 678-685.	2.9	1
12	Controlling abruptly autofocusing vortex beams to mitigate crosstalk and vortex splitting in free-space optical communication. Optics Express, 2018, 26, 12605.	3.4	55
13	Effects of Asymmetry Atmospheric Eddies on Spreading and Wander of Bessel–Gaussian Beams in Anisotropic Turbulence. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	1,185
14	Power Spectrum of Refractive-Index Fluctuation in Hypersonic Plasma Turbulence. IEEE Transactions on Plasma Science, 2017, 45, 2431-2437.	1.3	5
15	Scattering of aerosol particles by a Hermite–Gaussian beam in marine atmosphere. Applied Optics, 2017, 56, 5329.	2.1	9
16	Selection combining optimization for FSO links over exponentiated Weibull fading channels. , 2016, , .		2
17	Propagation properties of an optical vortex carried by a Bessel–Gaussian beam in anisotropic turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1442.	1.5	70
18	Propagation of an optical vortex carried by a partially coherent Laguerre–Gaussian beam in turbulent ocean. Applied Optics, 2016, 55, 4642.	2.1	92

#	Article	IF	CITATIONS
19	Channel Capacity of the OAM-Based Free-Space Optical Communication Links With Bessel–Gauss Beams in Turbulent Ocean. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	83
20	Effects of non-Kolmogorov turbulence on the orbital angular momentum of Hankel–Bessel–Schell beams. Optics and Laser Technology, 2015, 67, 20-24.	4.6	14
21	Influence of atmospheric turbulence on the transmission of orbital angular momentum for Whittaker-Gaussian laser beams. Optics Express, 2014, 22, 22101.	3.4	36