

# Mingjian Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5663505/publications.pdf>

Version: 2024-02-01

21  
papers

1,607  
citations

1163065

8  
h-index

940516

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

2587  
citing authors

| #  | 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 Gaussianâ€“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 Besselâ€“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 Hermiteâ€“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 Besselâ€“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 Laguerreâ€“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        |