Yangjian Cai

List of Publications by Year in descending order

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430	13,172	19657 61	46799 89
papers	citations	h-index	g-index

436	436	436	1637
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hollow Gaussian beams and their propagation properties. Optics Letters, 2003, 28, 1084.	3.3	347
2	Propagation of various dark hollow beams in a turbulent atmosphere. Optics Express, 2006, 14, 1353.	3.4	270
3	Ghost imaging with incoherent and partially coherent light radiation. Physical Review E, 2005, 71, 056607.	2.1	233
4	Tensor ABCD law for partially coherent twisted anisotropic Gaussianâ€“Schell model beams. Optics Letters, 2002, 27, 216.	3.3	223
5	Propagation of a partially coherent twisted anisotropic Gaussian Schell-model beam in a turbulent atmosphere. Applied Physics Letters, 2006, 89, 041117.	3.3	205
6	Generation and propagation of partially coherent beams with nonconventional correlation functions: a review [Invited]. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2083.	1.5	204
7	Experimental generation of partially coherent beams with different complex degrees of coherence. Optics Letters, 2013, 38, 1814.	3.3	166
8	Ghost interference with partially coherent radiation. Optics Letters, 2004, 29, 2716.	3.3	165
9	PROPAGATION OF PARTIALLY COHERENT BEAM IN TURBULENT ATMOSPHERE: A REVIEW (Invited Review). Progress in Electromagnetics Research, 2015, 150, 123-143.	4.4	152
10	M^2-factor of coherent and partially coherent dark hollow beams propagating in turbulent atmosphere. Optics Express, 2009, 17, 17344.	3.4	135
11	Experimental generation of cosine-Gaussian-correlated Schell-model beams with rectangular symmetry. Optics Letters, 2014, 39, 769.	3.3	134
12	Trapping two types of particles using a focused partially coherent elegant Laguerreâ€“Gaussian beam. Optics Letters, 2011, 36, 2251.	3.3	133
13	Average irradiance and polarization properties of a radially or azimuthally polarized beam in a turbulent atmosphere. Optics Express, 2008, 16, 7665.	3.4	125
14	Average intensity and spreading of an elliptical Gaussian beam propagating in a turbulent atmosphere. Optics Letters, 2006, 31, 568.	3.3	124
15	Self-splitting properties of a Hermite-Gaussian correlated Schell-model beam. Physical Review A, 2015, 91, .	2.5	124
16	Generation and propagation of a partially coherent vector beam with special correlation functions. Physical Review A, 2014, 89, .	2.5	117
17	Hollow elliptical Gaussian beam and its propagation through aligned and misaligned paraxial optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 1058.	1.5	115
18	Propagation of various flat-topped beams in a turbulent atmosphere. Journal of Optics, 2006, 8, 537-545.	1.5	115

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19	Scintillations of partially coherent multiple Gaussian beams in turbulence. Applied Optics, 2009, 48, 1943.	2.1	115
20	Generation of Partially Coherent Beams. Progress in Optics, 2017, 62, 157-223.	0.6	114
21	Radiation force of coherent and partially coherent flat-topped beams on a Rayleigh particle. Optics Express, 2009, 17, 1753.	3.4	104
22	Partially coherent standard and elegant Laguerre-Gaussian beams of all orders. Optics Express, 2009, 17, 22366.	3.4	103
23	Active laser radar systems with stochastic electromagnetic beams in turbulent atmosphere. Optics Express, 2008, 16, 15834.	3.4	100
24	Vortex beam generation with variable topological charge based on a spiral slit. Nanophotonics, 2019, 8, 317-324.	6.0	98
25	Scintillation index of elliptical Gaussian beam in turbulent atmosphere. Optics Letters, 2007, 32, 2405.	3.3	94
26	Radiation force of scalar and electromagnetic twisted Gaussian Schell-model beams. Optics Express, 2009, 17, 21472.	3.4	94
27	Experimental demonstration of a Laguerre-Gaussian correlated Schell-model vortex beam. Optics Express, 2014, 22, 5826.	3.4	93
28	Optical coherence encryption with structured random light. PhotoniX, 2021, 2, 6.	13.5	93
29	Generation and propagation of an anomalous vortex beam. Optics Letters, 2013, 38, 5418.	3.3	91
30	Off-axis Gaussian Schell-model beam and partially coherent laser array beam in a turbulent atmosphere. Optics Communications, 2007, 278, 157-167.	2.1	88
31	Experimental generation of a radially polarized beam with controllable spatial coherence. Applied Physics Letters, 2012, 100, .	3.3	88
32	Scintillation index of a multi-Gaussian Schell-model beam in turbulent atmosphere. Optics Communications, 2013, 305, 57-65.	2.1	87
33	Propagation of hollow Gaussian beams through apertured paraxial optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1410.	1.5	85
34	Experimental demonstration of vortex phase-induced reduction in scintillation of a partially coherent beam. Optics Letters, 2013, 38, 5323.	3.3	85
35	Propagation of partially coherent twisted anisotropic Gaussian Schell-model beams through an apertured astigmatic optical system. Optics Letters, 2006, 31, 685.	3.3	84
36	Generation of a high-quality partially coherent dark hollow beam with a multimode fiber. Optics Letters, 2008, 33, 1389.	3.3	84

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37	Second-order statistics of a twisted Gaussian Schell-model beam in turbulent atmosphere. Optics Express, 2010, 18, 24661.	3.4	83
38	Experimental observation of fractional Fourier transform for a partially coherent optical beam with Gaussian statistics. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 1937.	1.5	82
39	Model for an anomalous hollow beam and its paraxial propagation. Optics Letters, 2007, 32, 3179.	3.3	81
40	Generation and self-healing of a radially polarized Bessel-Gauss beam. Physical Review A, 2014, 89, .	2.5	78
41	Twist phase-induced reduction in scintillation of a partially coherent beam in turbulent atmosphere. Optics Letters, 2012, 37, 184.	3.3	77
42	Generalized multi-Gaussian correlated Schell-model beam: from theory to experiment. Optics Express, 2014, 22, 23456.	3.4	77
43	Fractional Fourier transform for partially coherent Gaussianâ€“Schell model beams. Optics Letters, 2002, 27, 1672.	3.3	76
44	Effect of spatial coherence on propagation, tight focusing, and radiation forces of an azimuthally polarized beam. Physical Review A, 2012, 86, .	2.5	76
45	Experimental generation of optical coherence lattices. Applied Physics Letters, 2016, 109, .	3.3	76
46	Review on fractional vortex beam. Nanophotonics, 2022, 11, 241-273.	6.0	76
47	Propagation factor of a stochastic electromagnetic Gaussian Schell-model beam. Optics Express, 2010, 18, 12587.	3.4	74
48	Average intensity and spreading of an elegant Hermiteâ€“Gaussian beam in turbulent atmosphere. Optics Express, 2009, 17, 11130.	3.4	73
49	Experimental study of the scintillation index of a radially polarized beam with controllable spatial coherence. Applied Physics Letters, 2013, 103, .	3.3	72
50	Coherence and polarization properties of a radially polarized beam with variable spatial coherence. Optics Express, 2012, 20, 28301.	3.4	70
51	AVERAGE INTENSITY AND SPREADING OF PARTIALLY COHERENT STANDARD AND ELEGANT LAGUERRE-GAUSSIAN BEAMS IN TURBULENT ATMOSPHERE. Progress in Electromagnetics Research, 2010, 103, 33-56.	4.4	70
52	Elliptical Laguerre-Gaussian correlated Schell-model beam. Optics Express, 2014, 22, 13975.	3.4	69
53	Generation of a controllable optical cage by focusing a Laguerreâ€“Gaussian correlated Schell-model beam. Optics Letters, 2014, 39, 2549.	3.3	68
54	Splitting and combining properties of an elegant Hermite-Gaussian correlated Schell-model beam in Kolmogorov and non-Kolmogorov turbulence. Optics Express, 2015, 23, 13467.	3.4	68

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55	Anomalous Bessel vortex beam: modulating orbital angular momentum with propagation. Nanophotonics, 2018, 7, 677-682.	6.0	67
56	Paraxial propagation of Lorentz and Lorentzâ€“Gauss beams in uniaxial crystals orthogonal to the optical axis. Journal of Modern Optics, 2010, 57, 375-384.	1.3	66
57	Effect of spatial coherence on determining the topological charge of a vortex beam. Applied Physics Letters, 2012, 101, .	3.3	66
58	Radially polarized multi-Gaussian Schell-model beam and its tight focusing properties. Optics Express, 2017, 25, 32475.	3.4	65
59	Second-harmonic generation by an astigmatic partially coherent beam. Optics Express, 2007, 15, 15480.	3.4	64
60	Experimental generation of a partially coherent flat-topped beam. Optics Letters, 2008, 33, 1795.	3.3	63
61	Light beams with elliptical flat-topped profiles. Journal of Optics, 2004, 6, 390-395.	1.5	62
62	Coherent and partially coherent dark hollow beams with rectangular symmetry and paraxial propagation properties. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1398.	2.1	61
63	Complex degree of coherence for partially coherent general beams in atmospheric turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2891.	1.5	61
64	Properties of a flattened Gaussian beam in the fractional Fourier transform plane. Journal of Optics, 2003, 5, 272-275.	1.5	59
65	Propagation of a hollow Gaussian beam through a paraxial misaligned optical system. Optics Communications, 2006, 265, 607-615.	2.1	59
66	Evolution of the degree of polarization of an electromagnetic Gaussian Schell-model beam in a Gaussian cavity. Optics Letters, 2008, 33, 2266.	3.3	59
67	Self-reconstruction of the degree of coherence of a partially coherent vortex beam obstructed by an opaque obstacle. Applied Physics Letters, 2017, 110, .	3.3	59
68	Statistical properties of a Laguerre-Gaussian Schell-model beam in turbulent atmosphere. Optics Express, 2014, 22, 1871.	3.4	58
69	Grafted optical vortex with controllable orbital angular momentum distribution. Optics Express, 2019, 27, 22930.	3.4	58
70	Robust far-field imaging by spatial coherence engineering. Opto-Electronic Advances, 2021, 4, 210027-210027.	13.3	57
71	Scintillation of astigmatic dark hollow beams in weak atmospheric turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1497.	1.5	55
72	Propagation of a partially coherent hollow vortex Gaussian beam through a paraxial ABCD optical system in turbulent atmosphere. Optics Express, 2012, 20, 9897.	3.4	53

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73	Statistics properties of a cylindrical vector partially coherent beam. Optics Express, 2011, 19, 5979.	3.4	52
74	Multi-Gaussian Schell-model vortex beam. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 750-754.	2.1	52
75	Modified hollow Gaussian beam and its paraxial propagation. Optics Communications, 2007, 278, 34-41.	2.1	51
76	Experimental study of turbulence-induced beam wander and deformation of a partially coherent beam. Optics Letters, 2014, 39, 3336.	3.3	51
77	Scintillation index of modified Bessel-Gaussian beams propagating in turbulent media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 387.	1.5	50
78	Second-order moments of a multi-Gaussian Schell-model beam in a turbulent atmosphere. Optics and Laser Technology, 2013, 50, 14-19.	4.6	49
79	Partially coherent vortex beams: Fundamentals and applications. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	49
80	Scattering-induced changes in the temporal coherence length and the pulse duration of a partially coherent plane-wave pulse. Optics Letters, 2011, 36, 517.	3.3	48
81	Experimental study of the focusing properties of a Gaussian Schell-model vortex beam. Optics Letters, 2011, 36, 3281.	3.3	48
82	Self-reconstruction of partially coherent light beams scattered by opaque obstacles. Optics Express, 2016, 24, 23735.	3.4	48
83	Ghost imaging with twisted Gaussian Schell-model beam. Optics Express, 2009, 17, 2453.	3.4	47
84	Ghost imaging with electromagnetic stochastic beams. Optics Communications, 2010, 283, 3838-3845.	2.1	47
85	Detection of a semirough target in turbulent atmosphere by a partially coherent beam. Optics Letters, 2011, 36, 1939.	3.3	47
86	Scintillation properties of a partially coherent vector beam with vortex phase in turbulent atmosphere. Optics Express, 2019, 27, 26676.	3.4	47
87	Self-steering partially coherent beams. Scientific Reports, 2017, 7, 39957.	3.3	46
88	Overcoming the classical Rayleigh diffraction limit by controlling two-point correlations of partially coherent light sources. Optics Express, 2017, 25, 28352.	3.4	46
89	Optical vortex shaping via a phase jump factor. Optics Letters, 2019, 44, 1379.	3.3	46
90	Propagation of various dark hollow beams through an apertured paraxial ABCD optical system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 72-80.	2.1	45

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91	Statistical properties of a partially coherent cylindrical vector beam in oceanic turbulence. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 894.	1.5	45
92	Decentered elliptical Gaussian beam. Applied Optics, 2002, 41, 4336.	2.1	44
93	Generation and propagation of a vector cosine-Gaussian correlated beam with radial polarization. Optics Express, 2015, 23, 33099.	3.4	44
94	Propagation of optical coherence lattices in the turbulent atmosphere. Optics Letters, 2016, 41, 4182.	3.3	44
95	Propagation properties of anomalous hollow beams in a turbulent atmosphere. Optics Communications, 2008, 281, 5291-5297.	2.1	43
96	Twisted Laguerre-Gaussian Schell-model beam and its orbital angular moment. Optics Express, 2018, 26, 33956.	3.4	43
97	Partially coherent flattened Gaussian beam and its paraxial propagation properties. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 2623.	1.5	42
98	Partially coherent circular and elliptical dark hollow beams and their paraxial propagations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 157-166.	2.1	42
99	Vortex phase-induced changes of the statistical properties of a partially coherent radially polarized beam. Optics Express, 2016, 24, 13714.	3.4	42
100	Spiral spectrum of a Laguerre-Gaussian beam propagating in anisotropic non-Kolmogorov turbulent atmosphere along horizontal path. Optics Express, 2019, 27, 25342.	3.4	42
101	Generating bona fide twisted Gaussian Schell-model beams. Optics Letters, 2019, 44, 3709.	3.3	42
102	Second-order statistics of a radially polarized cosine-Gaussian correlated Schell-model beam in anisotropic turbulence. Optics Express, 2016, 24, 11626.	3.4	41
103	Propagation of Bessel and Besselâ€“Gaussian beams through an unapertured or apertured misaligned paraxial optical systems. Optics Communications, 2007, 274, 1-7.	2.1	39
104	Propagation of Lorentz and Lorentzâ€“Gauss beams through an apertured fractional Fourier transform optical system. Optics and Lasers in Engineering, 2011, 49, 25-31.	3.8	39
105	Propagation properties of Hermite non-uniformly correlated beams in turbulence. Optics Express, 2018, 26, 16333.	3.4	39
106	Decentered elliptical Hermiteâ€“Gaussian beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1111.	1.5	38
107	Fractional Fourier transform for partially coherent and partially polarized Gaussianâ€“Schell model beams. Journal of Optics, 2003, 5, 453-459.	1.5	38
108	Experimental realization of dark and antidark diffraction-free beams. Optics Letters, 2019, 44, 2260.	3.3	38

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109	Fractional Fourier transform for elliptical Gaussian beams. Optics Communications, 2003, 217, 7-13.	2.1	37
110	Generation and tight-focusing properties of cylindrical vector circular Airy beams. Applied Physics B: Lasers and Optics, 2014, 117, 905-913.	2.2	37
111	Evolution properties of a Laguerreâ€“Gaussian correlated Schell-model beam propagating in uniaxial crystals orthogonal to the optical axis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 374.	1.5	37
112	Significantly enhanced second-harmonic generations with all-dielectric antenna array working in the quasi-bound states in the continuum and excited by linearly polarized plane waves. Nanophotonics, 2021, 10, 1189-1196.	6.0	37
113	Propagation of partially coherent twisted anisotropic Gaussian Schell-model beams in dispersive and absorbing media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2002, 19, 2036.	1.5	36
114	Transformation and spectrum properties of partially coherent beams in the fractional Fourier transform plane. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1528.	1.5	36
115	Orbital angular moment of a partially coherent beam propagating through an astigmatic ABCD optical system with loss or gain. Optics Letters, 2014, 39, 1968.	3.3	36
116	High-quality partially coherent Bessel beam array generation. Optics Letters, 2018, 43, 3188.	3.3	36
117	Noniterative spatially partially coherent diffractive imaging using pinhole array mask. Advanced Photonics, 2019, 1, 1.	11.8	36
118	Rectangular Hermite non-uniformly correlated beams and its propagation properties. Optics Express, 2018, 26, 27894.	3.4	36
119	The elliptical Hermiteâ€“Gaussian beam and its propagation through paraxial systems. Optics Communications, 2002, 207, 139-147.	2.1	35
120	Partially coherent anomalous hollow beam and its paraxial propagation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 4654-4660.	2.1	35
121	Elegant Laguerreâ€“Gaussian beam in a turbulent atmosphere. Optics Communications, 2010, 283, 2772-2781.	2.1	35
122	Generation of arbitrary radially polarized array beams by manipulating correlation structure. Applied Physics Letters, 2016, 109, 161904.	3.3	35
123	Self-steering partially coherent vector beams. Optics Express, 2019, 27, 14353.	3.4	35
124	Partially coherent radially polarized fractional vortex beam. Optics Express, 2020, 28, 11493.	3.4	35
125	Partially coherent flat-topped beam and its propagation. Applied Optics, 2004, 43, 4732.	2.1	34
126	An alternative theoretical model for an anomalous hollow beam. Optics Express, 2008, 16, 15254.	3.4	34

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127	Statistical properties of a cylindrical vector partially coherent beam in turbulent atmosphere. Applied Physics B: Lasers and Optics, 2013, 112, 247-259.	2.2	34
128	A new method for generating a hollow Gaussian beam. Applied Physics B: Lasers and Optics, 2014, 115, 55-60.	2.2	34
129	Vector optical coherence lattices generating controllable far-field beam profiles. Optics Express, 2017, 25, 9872.	3.4	34
130	Phase detection of coherence singularities and determination of the topological charge of a partially coherent vortex beam. Applied Physics Letters, 2019, 114, .	3.3	34
131	Propagation factor of partially coherent flat-topped beam array in free space and turbulent atmosphere. Optics and Lasers in Engineering, 2012, 50, 752-759.	3.8	33
132	Partially coherent light beam shaping via complex spatial coherence structure engineering. Advances in Physics: X, 2022, 7, .	4.1	33
133	Vector Hermite-Gaussian correlated Schell-model beam. Optics Express, 2016, 24, 15232.	3.4	32
134	Optimization of the probability of orbital angular momentum for Laguerre-Gaussian beam in Kolmogorov and non-Kolmogorov turbulence. Optics Express, 2018, 26, 21861.	3.4	32
135	Lensless imaging with partially coherent light. Optics Letters, 2007, 32, 205.	3.3	31
136	Generation and propagation of an electromagnetic Gaussian Schell-model vortex beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2058.	1.5	31
137	Partially coherent fractional vortex beam. Optics Express, 2018, 26, 26830.	3.4	31
138	Review on partially coherent vortex beams. Frontiers of Optoelectronics, 2019, 12, 229-248.	3.7	31
139	Flexible autofocusing properties of ring Pearcey beams by means of a cross phase. Optics Letters, 2021, 46, 70.	3.3	31
140	Experimental measurement of the beam parameters of an electromagnetic Gaussian Schell-model source. Optics Letters, 2011, 36, 2722.	3.3	30
141	Statistical properties of a radially polarized twisted Gaussian Schell-model beam in an underwater turbulent medium. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 133.	1.5	30
142	Self-healing properties of Hermite-Gaussian correlated Schell-model beams. Optics Express, 2020, 28, 2828.	3.4	30
143	Scattering of a partially coherent plane-wave pulse on a deterministic sphere. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2697-2702.	2.1	29
144	Orbital angular moment of an electromagnetic Gaussian Schell-model beam with a twist phase. Optics Express, 2015, 23, 30283.	3.4	29

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145	Experimental verification of significant reduction of turbulence-induced scintillation in a full PoincarÃ© beam. Optics Express, 2015, 23, 24331.	3.4	29
146	Experimental observation of truncated fractional Fourier transform for a partially coherent Gaussian Schell-model beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2001.	1.5	28
147	Statistical properties of a nonparaxial cylindrical vector partially coherent field in free space. Optics Express, 2012, 20, 15908.	3.4	28
148	Theoretical and experimental studies of the spectral changes of a polychromatic partially coherent radially polarized beam. Optics Express, 2013, 21, 27682.	3.4	28
149	Spatial coherence measurement and partially coherent diffractive imaging using self-referencing holography. Optics Express, 2018, 26, 4479.	3.4	28
150	Measuring Complex Degree of Coherence of Random Light Fields with Generalized Hanbury Brownâ€“Twiss Experiment. Physical Review Applied, 2020, 13, .	3.8	28
151	Propagation of elliptical Gaussian beam through misaligned optical systems in spatial domain and spatial-frequency domain. Optics and Laser Technology, 2002, 34, 415-421.	4.6	27
152	Spectral shift of partially coherent twisted anisotropic Gaussian Schell-model beams in free space. Optics Communications, 2002, 204, 17-23.	2.1	27
153	Propagation of a decentered elliptical Gaussian beam through apertured aligned and misaligned paraxial optical systems. Applied Optics, 2006, 45, 5758.	2.1	27
154	Paraxial propagation of a partially coherent Hermite-Gaussian beam through aligned and misaligned ABCD optical systems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2007, 24, 2394.	1.5	27
155	Propagation of partially coherent Lorentz and Lorentzâ€“Gauss beams through a paraxial ABCD optical system in a turbulent atmosphere. Journal of Modern Optics, 2011, 58, 810-818.	1.3	27
156	Effects of biological tissues on the propagation properties of anomalous hollow beams. Optik, 2016, 127, 1842-1847.	2.9	27
157	Review on vortex beams with low spatial coherence. Advances in Physics: X, 2019, 4, 1626766.	4.1	27
158	Propagation of a radially polarized twisted Gaussian Schell-model beam in turbulent atmosphere. Journal of Optics (United Kingdom), 2016, 18, 125601.	2.2	26
159	Beam wander of coherent and partially coherent Airy beam arrays in a turbulent atmosphere. Optics Communications, 2018, 415, 48-55.	2.1	26
160	Twisted partially coherent array sources and their transmission in anisotropic turbulence. Optics Express, 2018, 26, 25974.	3.4	26
161	Vector partially coherent beams with prescribed non-uniform correlation structure. Optics Letters, 2020, 45, 3824.	3.3	26
162	Abruptly autofocusing of generalized circular Airy derivative beams. Optics Express, 2022, 30, 3804.	3.4	26

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163	Propagation of partially coherent twisted anisotropic Gaussianâ€“Schell model beams through misaligned optical systems. Optics Communications, 2002, 211, 1-8.	2.1	25
164	Statistical properties of a nonparaxial Gaussian Schell-model beam in a uniaxial crystal. Optics Express, 2011, 19, 13312.	3.4	25
165	Propagation of radially polarized Hermite non-uniformly correlated beams in a turbulent atmosphere. Optics Express, 2020, 28, 27238.	3.4	25
166	Robust Far-Field Optical Image Transmission with Structured Random Light Beams. Physical Review Applied, 2022, 17, .	3.8	25
167	Propagation factor of a truncated partially coherent flat-topped beam in turbulent atmosphere. Optics Communications, 2011, 284, 30-37.	2.1	24
168	Experimental synthesis of random light sources with circular coherence by digital micro-mirror device. Applied Physics Letters, 2020, 117, .	3.3	24
169	Experimental demonstration of ghost imaging with an electromagnetic Gaussian Schell-model beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 910.	1.5	23
170	Reducing the cross-talk among different orbital angular momentum modes in turbulent atmosphere by using a focusing mirror. Optics Express, 2019, 27, 10280.	3.4	23
171	Experimental synthesis of partially coherent beam with controllable twist phase and measuring its orbital angular momentum. Nanophotonics, 2022, 11, 689-696.	6.0	23
172	Optical vortex with multi-fractional orders. Applied Physics Letters, 2020, 116, .	3.3	23
173	Coincidence fractional Fourier transform with entangled photon pairs and incoherent light. Applied Physics Letters, 2005, 86, 021112.	3.3	22
174	Analytical formulas for a circular or non-circular flat-topped beam propagating through an apertured paraxial optical system. Optics Communications, 2007, 269, 39-46.	2.1	22
175	Experimental generation of a partially coherent Laguerreâ€“Gaussian beam. Applied Physics B: Lasers and Optics, 2012, 109, 345-349.	2.2	22
176	Dependence of the beam wander of an airy beam on its kurtosis parameter in a turbulent atmosphere. Optics and Laser Technology, 2015, 68, 6-10.	4.6	22
177	Analytical formula for a circular flattened Gaussian beam propagating through a misaligned paraxial ABCD optical system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 360, 394-399.	2.1	21
178	State of polarization of a stochastic electromagnetic beam in an optical resonator. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2710.	1.5	21
179	Effect of beam types on the scintillations: a review. , 2009, , .		21
180	Propagation factors of Hermiteâ€“Gaussian beams in turbulent atmosphere. Optics and Laser Technology, 2010, 42, 1344-1348.	4.6	21

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181	Degree of paraxiality of a stochastic electromagnetic Gaussian Schell-model beam. Optics Communications, 2011, 284, 1111-1117.	2.1	21
182	Twist phase-induced changes of the statistical properties of a stochastic electromagnetic beam propagating in a uniaxial crystal. Optics Express, 2015, 23, 12454.	3.4	21
183	High-order nonuniformly correlated beams. Optics and Laser Technology, 2018, 99, 230-237.	4.6	21
184	Experimental realization of scalar and vector perfect Laguerreâ€“Gaussian beams. Applied Physics Letters, 2021, 119, 021105.	3.3	21
185	Experimental synthesis of partially coherent sources. Optics Letters, 2020, 45, 1874.	3.3	21
186	Experimental observation of coincidence fractional Fourier transform with a partially coherent beam. Optics Express, 2006, 14, 6999.	3.4	20
187	Hollow vortex Gaussian beams. Science China: Physics, Mechanics and Astronomy, 2013, 56, 896-903.	5.1	20
188	Second-order moments of an electromagnetic Gaussian Schell-model beam in a uniaxial crystal. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 238.	1.5	20
189	Simultaneous determination of the sign and the magnitude of the topological charge of a partially coherent vortex beam. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	20
190	Numerical Approach for Studying the Evolution of the Degrees of Coherence of Partially Coherent Beams Propagation through an ABCD Optical System. Applied Sciences (Switzerland), 2019, 9, 2084.	2.5	20
191	Paraxial propagation of a partially coherent flattened Gaussian beam through apertured ABCD optical systems. Optics Communications, 2008, 281, 3221-3229.	2.1	19
192	Experimental observation of focal shifts in focused partially coherent beams. Optics Communications, 2009, 282, 3408-3413.	2.1	19
193	Partially coherent off-axis Gaussian beam scintillations. Journal of Modern Optics, 2010, 57, 1221-1227.	1.3	19
194	Spatio-temporal coupling of random electromagnetic pulses interacting with reflecting gratings. Optics Express, 2010, 18, 22503.	3.4	19
195	M^2-factor of a stochastic electromagnetic beam in a Gaussian cavity. Optics Express, 2010, 18, 27567.	3.4	19
196	Degree of polarization of a tightly focused, partially coherent anomalous hollow beam. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2753.	1.5	19
197	Propagation of Airy beam passing through the misaligned optical system with hard aperture. Optics Communications, 2014, 313, 350-355.	2.1	19
198	Theoretical and experimental studies of a rectangular Laguerreâ€“Gaussian-correlated Schell-model beam. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	19

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