

# Andrew Forbes

## List of Publications by Year in descending order

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Version: 2024-02-01

410  
papers

12,682  
citations

29994

54  
h-index

33814

99  
g-index

418  
all docs

418  
docs citations

418  
times ranked

5242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap on structured light. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 013001.	1.0	888
2	Structured light. <i>Nature Photonics</i> , 2021, 15, 253-262.	15.6	557
3	Controlled generation of higher-order Poincaré sphere beams from a laser. <i>Nature Photonics</i> , 2016, 10, 327-332.	15.6	482
4	Creation and detection of optical modes with spatial light modulators. <i>Advances in Optics and Photonics</i> , 2016, 8, 200.	12.1	479
5	A review of complex vector light fields and their applications. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 123001.	1.0	296
6	A digital laser for on-demand laser modes. <i>Nature Communications</i> , 2013, 4, 2289.	5.8	284
7	Higher-dimensional orbital-angular-momentum-based quantum key distribution with mutually unbiased bases. <i>Physical Review A</i> , 2013, 88, .	1.0	264
8	High-purity orbital angular momentum states from a visible metasurface laser. <i>Nature Photonics</i> , 2020, 14, 498-503.	15.6	230
9	Characterizing quantum channels with non-separable states of classical light. <i>Nature Physics</i> , 2017, 13, 397-402.	6.5	218
10	Creation and Detection of Vector Vortex Modes for Classical and Quantum Communication. <i>Journal of Lightwave Technology</i> , 2018, 36, 292-301.	2.7	207
11	Structured Light from Lasers. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900140.	4.4	182
12	Optical communication beyond orbital angular momentum. <i>Scientific Reports</i> , 2016, 6, 27674.	1.6	179
13	Generating superpositions of higher-order Bessel beams. <i>Optics Express</i> , 2009, 17, 23389.	1.7	170
14	Mode analysis with a spatial light modulator as a correlation filter. <i>Optics Letters</i> , 2012, 37, 2478.	1.7	156
15	Towards higher-dimensional structured light. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	148
16	Measuring the nonseparability of vector vortex beams. <i>Physical Review A</i> , 2015, 92, .	1.0	146
17	Self-healing of quantum entanglement after an obstruction. <i>Nature Communications</i> , 2014, 5, 3248.	5.8	127
18	Simultaneous generation of multiple vector beams on a single SLM. <i>Optics Express</i> , 2017, 25, 25697.	1.7	122

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19	Quantum mechanics with patterns of light: Progress in high dimensional and multidimensional entanglement with structured light. <i>AVS Quantum Science</i> , 2019, 1, .	1.8	114
20	Entangled Bessel-Gaussian beams. <i>Optics Express</i> , 2012, 20, 23589.	1.7	112
21	Concepts in quantum state tomography and classical implementation with intense light: a tutorial. <i>Advances in Optics and Photonics</i> , 2019, 11, 67.	12.1	107
22	Measurement of the orbital angular momentum density of light by modal decomposition. <i>New Journal of Physics</i> , 2013, 15, 073025.	1.2	105
23	Engineering two-photon high-dimensional states through quantum interference. <i>Science Advances</i> , 2016, 2, e1501165.	4.7	104
24	Optical, thermal and structural characteristics of carbon nanoparticles embedded in ZnO and NiO as selective solar absorbers. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 1285-1292.	3.0	99
25	Orbital-angular-momentum entanglement in turbulence. <i>Physical Review A</i> , 2013, 88, .	1.0	96
26	Fiber propagation of vector modes. <i>Optics Express</i> , 2015, 23, 17330.	1.7	94
27	Beyond the display: phase-only liquid crystal on Silicon devices and their applications in photonics [Invited]. <i>Optics Express</i> , 2019, 27, 16206.	1.7	94
28	Intra-cavity generation of superpositions of Laguerre-Gaussian beams. <i>Applied Physics B: Lasers and Optics</i> , 2012, 106, 683-690.	1.1	92
29	Wavefront reconstruction by modal decomposition. <i>Optics Express</i> , 2012, 20, 19714.	1.7	90
30	Beam quality measure for vector beams. <i>Optics Letters</i> , 2016, 41, 3407.	1.7	89
31	Implementing Quantum Walks Using Orbital Angular Momentum of Classical Light. <i>Physical Review Letters</i> , 2013, 110, 263602.	2.9	88
32	Entanglement beating in free space through spin-orbit coupling. <i>Light: Science and Applications</i> , 2018, 7, 18009-18009.	7.7	88
33	All-Digital Holographic Tool for Mode Excitation and Analysis in Optical Fibers. <i>Journal of Lightwave Technology</i> , 2013, 31, 1023-1032.	2.7	87
34	Generating and measuring nondiffracting vector Bessel beams. <i>Optics Letters</i> , 2013, 38, 3429.	1.7	84
35	Azimuthal decomposition with digital holograms. <i>Optics Express</i> , 2012, 20, 10996.	1.7	83
36	Characterization of High-Dimensional Entangled Systems via Mutually Unbiased Measurements. <i>Physical Review Letters</i> , 2013, 110, 143601.	2.9	83

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37	Modal analysis of structured light with spatial light modulators: a practical tutorial. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, C146.	0.8	83
38	Structured ray-wave vector vortex beams in multiple degrees of freedom from a laser. Optica, 2020, 7, 820.	4.8	82
39	Accelerated rotation with orbital angular momentum modes. Physical Review A, 2015, 91, .	1.0	81
40	Structured Light in Turbulence. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-21.	1.9	79
41	Beam-quality measurements using a spatial light modulator. Optics Letters, 2012, 37, 4687.	1.7	78
42	Poynting vector and orbital angular momentum density of superpositions of Bessel beams. Optics Express, 2011, 19, 16760.	1.7	77
43	Structured light with digital micromirror devices: a guide to best practice. Optical Engineering, 2019, 59, 1.	0.5	77
44	Encoding information using Laguerre Gaussian modes over free space turbulence media. Optics Letters, 2016, 41, 3086.	1.7	76
45	Simultaneous entanglement swapping of multiple orbital angular momentum states of light. Nature Communications, 2017, 8, 632.	5.8	73
46	On the resilience of scalar and vector vortex modes in turbulence. Optics Express, 2016, 24, 18105.	1.7	69
47	A conical wave approach to calculating Besselâ€™Gauss beam reconstruction after complex obstacles. Optics Communications, 2009, 282, 1078-1082.	1.0	68
48	Measuring the self-healing of the spatially inhomogeneous states of polarization of vector Bessel beams. Journal of Optics (United Kingdom), 2015, 17, 035617.	1.0	64
49	Revealing the radial modes in vortex beams. Applied Optics, 2016, 55, 7830.	2.1	64
50	Multidimensional entanglement transport through single-mode fiber. Science Advances, 2020, 6, eaay0837.	4.7	64
51	Efficient sorting of Bessel beams. Optics Express, 2013, 21, 165.	1.7	61
52	Controlling lightâ€™s helicity at the source: orbital angular momentum states from lasers. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150436.	1.6	61
53	Creation and control of high-dimensional multi-partite classically entangled light. Light: Science and Applications, 2021, 10, 50.	7.7	61
54	A vector holographic optical trap. Scientific Reports, 2018, 8, 17387.	1.6	60

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55	Digital generation of partially coherent vortex beams. <i>Optics Letters</i> , 2016, 41, 3471.	1.7	58
56	Structured Light: Tailored for Purpose. <i>Optics and Photonics News</i> , 2020, 31, 24.	0.4	57
57	A compact diffractive sorter for high-resolution demultiplexing of orbital angular momentum beams. <i>Scientific Reports</i> , 2018, 8, 10248.	1.6	55
58	Intra-cavity flat-top beam generation. <i>Optics Express</i> , 2009, 17, 15891.	1.7	53
59	Quantum mechanics and classical light. <i>Contemporary Physics</i> , 2019, 60, 1-22.	0.8	53
60	Vectorial Doppler metrology. <i>Nature Communications</i> , 2021, 12, 4186.	5.8	53
61	Robust interferometer for the routing of light beams carrying orbital angular momentum. <i>New Journal of Physics</i> , 2011, 13, 093014.	1.2	52
62	Doughnut laser beam as an incoherent superposition of two petal beams. <i>Optics Letters</i> , 2014, 39, 704.	1.7	52
63	Classically Entangled Light. <i>Progress in Optics</i> , 2019, 64, 99-153.	0.4	52
64	Basis-independent tomography and nonseparability witnesses of pure complex vectorial light fields by Stokes projections. <i>Physical Review A</i> , 2019, 100, .	1.0	52
65	Measuring the rotation rates of superpositions of higher-order Bessel beams. <i>Journal of Modern Optics</i> , 2012, 59, 259-267.	0.6	51
66	The Resilience of Hermite and Laguerre Gaussian Modes in Turbulence. <i>Journal of Lightwave Technology</i> , 2019, 37, 3911-3917.	2.7	51
67	SU(2) Poincaré sphere: A generalized representation for multidimensional structured light. <i>Physical Review A</i> , 2020, 102, .	1.0	51
68	Self Assembly and Properties of C:WO <sub>3</sub> Nano-Platelets and C:VO <sub>2</sub> /V <sub>2</sub> O <sub>5</sub> Triangular Capsules Produced by Laser Solution Photolysis. <i>Nanoscale Research Letters</i> , 2010, 5, 389-397.	3.1	50
69	All-digital wavefront sensing for structured light beams. <i>Optics Express</i> , 2014, 22, 14031.	1.7	50
70	Self-healing high-dimensional quantum key distribution using hybrid spin-orbit Bessel states. <i>Optics Express</i> , 2018, 26, 26946.	1.7	50
71	Bessel-like beams with z-dependent cone angles. <i>Optics Express</i> , 2010, 18, 1966.	1.7	48
72	Modal decomposition without a priori scale information. <i>Optics Express</i> , 2012, 20, 27866.	1.7	48

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73	Exciting higher-order radial Laguerre-Gaussian modes in a diode-pumped solid-state laser resonator. Applied Optics, 2013, 52, 2093.	0.9	48
74	Unraveling Bessel Beams. Optics and Photonics News, 2013, 24, 22.	0.4	48
75	Multiplexing 200 spatial modes with a single hologram. Journal of Optics (United Kingdom), 2017, 19, 113501.	1.0	48
76	Free-space optical communication link with shape-invariant orbital angular momentum Bessel beams. Applied Optics, 2019, 58, 4258.	0.9	47
77	A deterministic detector for vector vortex states. Scientific Reports, 2017, 7, 13882.	1.6	44
78	Tackling Africa's digital divide. Nature Photonics, 2018, 12, 249-252.	15.6	44
79	How perfect are perfect vortex beams?. Optics Letters, 2019, 44, 5614.	1.7	44
80	Vortex laser arrays with topological charge control and self-healing of defects. Nature Photonics, 2022, 16, 359-365.	15.6	44
81	Controlling the evolution of nondiffracting speckle by complex amplitude modulation on a phase-only spatial light modulator. Optics Communications, 2012, 285, 5-12.	1.0	43
82	Radially dependent angular acceleration of twisted light. Optics Letters, 2017, 42, 675.	1.7	43
83	Solar absorption and thermal emission properties of multiwall carbon nanotube/nickel oxide nanocomposite thin films synthesized by sol-gel process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 581-587.	1.7	42
84	Comparing mode-crosstalk and mode-dependent loss of laterally displaced orbital angular momentum and Hermite-Gaussian modes for free-space optical communication. Optics Letters, 2017, 42, 4175.	1.7	42
85	Quantitative measurement of the orbital angular momentum density of light. Applied Optics, 2012, 51, 823.	0.9	41
86	Are Bessel beams resilient to aberrations and turbulence?. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1021.	0.8	41
87	High-dimensional cryptography with spatial modes of light: tutorial. Journal of the Optical Society of America B: Optical Physics, 2020, 37, A309.	0.9	41
88	Roadmap on multimode light shaping. Journal of Optics (United Kingdom), 2022, 24, 013001.	1.0	41
89	Polarisation-insensitive generation of complex vector modes from a digital micromirror device. Scientific Reports, 2020, 10, 10434.	1.6	40
90	Nonlinear optics with structured light. Opto-Electronic Advances, 2022, 5, 210174-210174.	6.4	40

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91	Recovery of nonseparability in self-healing vector Bessel beams. <i>Physical Review A</i> , 2018, 98, .	1.0	39
92	Revealing the invariance of vectorial structured light in complex media. <i>Nature Photonics</i> , 2022, 16, 538-546.	15.6	39
93	Raman spectroscopy of $WO_3$ nano-wires and thermo-chromism study of $VO_2$ belts produced by ultrasonic spray and laser pyrolysis techniques. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 150-154.	0.8	38
94	Two-photon optics of Bessel-Gaussian modes. <i>Physical Review A</i> , 2013, 88, .	1.0	38
95	Angular self-reconstruction of petal-like beams. <i>Optics Letters</i> , 2013, 38, 3363.	1.7	38
96	Detection of Bessel beams with digital axicons. <i>Optics Express</i> , 2014, 22, 17553.	1.7	38
97	Quantum computation with classical light: The Deutsch Algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 1675-1680.	0.9	38
98	Transverse mode selection in a monolithic microchip laser. <i>Optics Communications</i> , 2011, 284, 5475-5479.	1.0	36
99	Real-time Stokes polarimetry using a digital micromirror device. <i>Optics Express</i> , 2019, 27, 31087.	1.7	36
100	Experimental Demonstration of 11-Dimensional 10-Party Quantum Secret Sharing. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000012.	4.4	35
101	From stationary annular rings to rotating Bessel beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2012, 29, 567.	0.8	34
102	Overlap relation between free-space Laguerre Gaussian modes and step-index fiber modes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 1678.	0.8	33
103	Modal Diversity for Robust Free-Space Optical Communications. <i>Physical Review Applied</i> , 2018, 10, .	1.5	31
104	Radial modal dependence of the azimuthal spectrum after parametric down-conversion. <i>Physical Review A</i> , 2014, 89, .	1.0	30
105	Implementation of a spatial light modulator for intracavity beam shaping. <i>Journal of Optics (United Kingdom)</i> 1 0.784314 rgBT/Overlaid	1.0	30
106	Experimentally observed decay of high-dimensional entanglement through turbulence. <i>Physical Review A</i> , 2016, 94, .	1.0	30
107	A space division multiplexed free-space-optical communication system that can auto-locate and fully self align with a remote transceiver. <i>Scientific Reports</i> , 2019, 9, 19687.	1.6	30
108	Estimation of thermal fracture limits in quasi-continuous-wave end-pumped lasers through a time-dependent analytical model. <i>Optics Express</i> , 2008, 16, 11115.	1.7	29

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109	Gaussian mode selection with intracavity diffractive optics. <i>Optics Letters</i> , 2009, 34, 2991.	1.7	29
110	The effect of turbulence on entanglement-based free-space quantum key distribution with photonic orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 064002.	1.0	29
111	Data transmission with twisted light through a free-space to fiber optical communication link. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 03LT01.	1.0	29
112	Ghost imaging using entanglement-swapped photons. <i>Npj Quantum Information</i> , 2019, 5, .	2.8	29
113	Experimental high-dimensional quantum secret sharing with spin-orbit-structured photons. <i>Physical Review A</i> , 2020, 101, .	1.0	29
114	Petal-like modes in Porro prism resonators. <i>Optics Express</i> , 2007, 15, 14065.	1.7	28
115	Wavelength tunable laser beam shaping. <i>Optics Letters</i> , 2012, 37, 49.	1.7	28
116	Enhancing the modal purity of orbital angular momentum photons. <i>APL Photonics</i> , 2020, 5, 070802.	3.0	28
117	Digital Stokes polarimetry and its application to structured light: tutorial. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, C33.	0.8	28
118	Antiferromagneticâ€“paramagnetic state transition of NiO synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , 2013, 265, 860-864.	3.1	27
119	White light wavefront control with a spatial light modulator. <i>Optics Express</i> , 2014, 22, 13870.	1.7	27
120	High-Dimensional Quantum Cryptography with Hybrid Orbital-Angular-Momentum States through 25 km of Ring-Core Fiber: A Proof-of-Concept Demonstration. <i>Physical Review Applied</i> , 2021, 15, .	1.5	27
121	Quantitative orbital angular momentum measurement of perfect vortex beams. <i>Optics Letters</i> , 2019, 44, 2736.	1.7	27
122	Besselâ€“Gauss resonator with internal amplitude filter. <i>Optics Communications</i> , 2008, 281, 2385-2392.	1.0	26
123	Preparation and characterization of carbon/nickel oxide nanocomposite coatings for solar absorber applications. <i>Applied Surface Science</i> , 2012, 258, 7174-7180.	3.1	26
124	Tuneable Gaussian to flat-top resonator by amplitude beam shaping. <i>Optics Express</i> , 2013, 21, 21113.	1.7	26
125	Classical and quantum analysis of propagation invariant vector flat-top beams. <i>Applied Optics</i> , 2018, 57, 5451.	0.9	26
126	Determining the non-separability of vector modes with digital micromirror devices. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	26



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127	Optimization, Yield Studies and Morphology of WO <sub>3</sub> Nano-Wires Synthesized by Laser Pyrolysis in C <sub>2</sub> H <sub>2</sub> and O <sub>2</sub> Ambientsâ€”Validation of a New Growth Mechanism. <i>Nanoscale Research Letters</i> , 2008, 3, 372-380.	3.1	25
128	Solar selective absorber functionality of carbon nanoparticles embedded in SiO <sub>2</sub> , ZnO and NiO matrices. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 549-551.	0.8	25
129	Orbital angular momentum correlations with a phase-flipped Gaussian mode pump beam. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 085401.	1.0	25
130	Hong-Ou-Mandel interference of entangled Hermite-Gauss modes. <i>Physical Review A</i> , 2016, 94, .	1.0	25
131	Evolution of orbital angular momentum in three-dimensional structured light. <i>Physical Review A</i> , 2018, 98, .	1.0	25
132	Probing the limits of orbital angular momentum generation and detection with spatial light modulators. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 015602.	1.0	25
133	Intraâ€”cavity generation of Besselâ€”like beams with longitudinally dependent cone angles. <i>Optics Express</i> , 2010, 18, 4701.	1.7	24
134	A versatile quantum walk resonator with bright classical light. <i>PLoS ONE</i> , 2019, 14, e0214891.	1.1	24
135	The orbital angular momentum of a turbulent atmosphere and its impact on propagating structured light fields. <i>New Journal of Physics</i> , 2021, 23, 093012.	1.2	24
136	WO <sub>3</sub> Nano-Spheres into W <sub>18</sub> O <sub>49</sub> One-Dimensional Nano-Structures Through Thermal Annealing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3286-3294.	0.9	23
137	Generation of structured light by multilevel orbital angular momentum holograms. <i>Optics Express</i> , 2019, 27, 6459.	1.7	23
138	All-digital Stokes polarimetry with a digital micromirror device. <i>Optics Letters</i> , 2020, 45, 2319.	1.7	23
139	Generalized beam quality factor of aberrated truncated Gaussian laser beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 1372.	0.8	22
140	Generation and propagation dynamics of obstructed and unobstructed rotating orbital angular momentum-carrying Helicon beams. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 035702.	1.0	22
141	Astigmatic hybrid SU(2) vector vortex beams: towards versatile structures in longitudinally variant polarized optics. <i>Optics Express</i> , 2021, 29, 315.	1.7	22
142	Reconstruction of laser beam wavefronts based on mode analysis. <i>Applied Optics</i> , 2013, 52, 5312.	0.9	21
143	Experimental demonstration of Klyshkoâ€™s advanced-wave picture using a coincidence-count based, camera-enabled imaging system. <i>Journal of Modern Optics</i> , 2014, 61, 547-551.	0.6	21
144	Implementation of multidimensional quantum walks using linear optics and classical light. <i>Physical Review A</i> , 2015, 92, .	1.0	21

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145	Phase-selective vanadium dioxide (VO <sub>2</sub> ) nanostructured thin films by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2015, 118, .	1.1	21
146	Spatial mode detection by frequency upconversion. <i>Optics Letters</i> , 2019, 44, 586.	1.7	21
147	Free-space local nonseparability dynamics of vector modes. <i>Photonics Research</i> , 2021, 9, 439.	3.4	21
148	Effect of Accelerated Thermal Ageing on the Selective Solar Thermal Harvesting Properties of Multiwall Carbon Nanotube/Nickel Oxide Nanocomposite Coatings. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-7.	1.4	20
149	An analytical expression for the instantaneous efficiency of a flat plate solar water heater and the influence of absorber plate absorptance and emittance. <i>Solar Energy</i> , 2012, 86, 1416-1427.	2.9	19
150	Orientation-dependent low field magnetic anomalies and room-temperature spintronic material of Mn doped ZnO films by aerosol spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2013, 579, 485-494.	2.8	19
151	Purity of Vector Vortex Beams through a Birefringent Amplifier. <i>Physical Review Applied</i> , 2018, 9, .	1.5	19
152	Kaleidoscope modes in large aperture Porro prism resonators. <i>Optics Express</i> , 2008, 16, 12707.	1.7	18
153	Brightness enhancement in a solid-state laser by mode transformation. <i>Optica</i> , 2018, 5, 836.	4.8	18
154	Formation of tungsten oxide nanostructures by laser pyrolysis: stars, fibres and spheres. <i>Nanoscale Research Letters</i> , 2011, 6, 166.	3.1	17
155	The generation of flat-top beams by complex amplitude modulation with a phase-only spatial light modulator. <i>Proceedings of SPIE</i> , 2012, , .	0.8	17
156	Quantum computation with classical light: Implementation of the Deutsch-Jozsa algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 1925-1931.	0.9	17
157	Emission of a propagation invariant flat-top beam from a microchip laser. <i>Journal of Luminescence</i> , 2016, 170, 750-754.	1.5	17
158	Erasing the orbital angular momentum information of a photon. <i>Physical Review A</i> , 2017, 95, .	1.0	17
159	Deep learning early stopping for non-degenerate ghost imaging. <i>Scientific Reports</i> , 2021, 11, 8561.	1.6	17
160	Measuring dimensionality and purity of high-dimensional entangled states. <i>Nature Communications</i> , 2021, 12, 5159.	5.8	16
161	The non-diffracting nature of truncated Hermite-Gaussian beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, C1.	0.8	16
162	Writing and reading with the longitudinal component of light using carbazole-containing azopolymer thin films. <i>Scientific Reports</i> , 2022, 12, 3477.	1.6	16

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163	Mean focal length of an aberrated lens. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011, 28, 1403.	0.8	15
164	The first iteration of Grover's algorithm using classical light with orbital angular momentum. <i>Journal of Modern Optics</i> , 2018, 65, 1942-1948.	0.6	15
165	A High-Speed, Wavelength Invariant, Single-Pixel Wavefront Sensor With a Digital Micromirror Device. <i>IEEE Access</i> , 2019, 7, 85860-85866.	2.6	15
166	Ghost imaging with engineered quantum states by Hong-Ou-Mandel interference. <i>New Journal of Physics</i> , 2019, 21, 073044.	1.2	15
167	Fractal light from lasers. <i>Physical Review A</i> , 2019, 99, .	1.0	15
168	Experimental generation of helical Mathieu-Gauss vector modes. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 034004.	1.0	15
169	Synthesis of tungsten oxide nanostructures by laser pyrolysis. <i>International Journal of Nanoparticles</i> , 2008, 1, 185.	0.1	14
170	Shape invariant higher-order Bessel-like beams carrying orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 085703.	1.0	14
171	Radially polarized cylindrical vector beams from a monolithic microchip laser. <i>Optical Engineering</i> , 2015, 54, 111304.	0.5	14
172	Optical interference with digital holograms. <i>American Journal of Physics</i> , 2016, 84, 508-516.	0.3	14
173	Characterization and mitigation of information loss in a six-state quantum-key-distribution protocol with spatial modes of light through turbulence. <i>Physical Review A</i> , 2018, 98, .	1.0	14
174	Lossless reshaping of structured light. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, C80.	0.8	14
175	General design principle for structured light lasers. <i>Optics Express</i> , 2020, 28, 35006.	1.7	14
176	Propagation of orbital angular momentum carrying beams through a perturbing medium. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 105706.	1.0	13
177	Digital generation of shape-invariant Bessel-like beams. <i>Optics Express</i> , 2015, 23, 7312.	1.7	13
178	Revealing the modal content of obstructed beams. <i>Physical Review A</i> , 2020, 102, .	1.0	13
179	Experimental study of the generalized Jarzynski fluctuation relation using entangled photons. <i>Physical Review A</i> , 2020, 101, .	1.0	13
180	Purity and efficiency of hybrid orbital angular momentum-generating metasurfaces. <i>Journal of Nanophotonics</i> , 2020, 14, 1.	0.4	13

#	ARTICLE	IF	CITATIONS
181	Common elements for uncommon light: vector beams with GRIN lenses. <i>Light: Science and Applications</i> , 2019, 8, 111.	7.7	12
182	Accelerating polarization structures in vectorial fields. <i>Optics Express</i> , 2021, 29, 2727.	1.7	12
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