

Andrew Forbes

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

288
papers

7,533
citations

44
h-index

75
g-index

418
ext. papers

10,351
ext. citations

5.1
avg, IF

6.85
L-index

#	Paper	IF	Citations
288	Imaging inspired characterization of single photons carrying orbital angular momentum. <i>AVS Quantum Science</i> , 2022 , 4, 015001	10.3	1
287	Photonic angular momentum: progress and perspectives. <i>Nanophotonics</i> , 2022 , 11, 625-631	6.3	2
286	An all-digital approach for versatile hybrid entanglement generation. <i>Journal of Optics (United Kingdom)</i> , 2022 , 24, 054003	1.7	
285	Writing and reading with the longitudinal component of light using carbazole-containing azopolymer thin films.. <i>Scientific Reports</i> , 2022 , 12, 3477	4.9	4
284	Astigmatic hybrid SU(2) vector vortex beams: towards versatile structures in longitudinally variant polarized optics. <i>Optics Express</i> , 2021 , 29, 315-329	3.3	11
283	All-digital 3-dimensional profilometry of nano-scaled surfaces with spatial light modulators. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	0
282	Probing the limits of orbital angular momentum generation and detection with spatial light modulators. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 015602	1.7	7
281	Free-space local nonseparability dynamics of vector modes. <i>Photonics Research</i> , 2021 , 9, 439	6	7
280	Creation and control of high-dimensional multi-partite classically entangled light. <i>Light: Science and Applications</i> , 2021 , 10, 50	16.7	23
279	Vector-Mode Decay in Atmospheric Turbulence: An Analysis Inspired by Quantum Mechanics. <i>Physical Review Applied</i> , 2021 , 15,	4.3	2
278	Structured light. <i>Nature Photonics</i> , 2021 , 15, 253-262	33.9	142
277	Reply to: Reconsidering metasurface lasers. <i>Nature Photonics</i> , 2021 , 15, 339-340	33.9	0
276	Deep learning early stopping for non-degenerate ghost imaging. <i>Scientific Reports</i> , 2021 , 11, 8561	4.9	1
275	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,	4.3	9
274	Vectorial Doppler metrology. <i>Nature Communications</i> , 2021 , 12, 4186	17.4	15
273	Thermal aberrations and structured light I: analytical model for structured pumps and probes. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	1
272	Structured Light in Turbulence. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-21	3.8	25

271	Accelerating polarization structures in vectorial fields. <i>Optics Express</i> , 2021 , 29, 2727-2737	3.3	5
270	Experimental generation of helical Mathieu-Gauss vector modes. <i>Journal of Optics (United Kingdom)</i> , 2021 , 23, 034004	1.7	5
269	Thermal aberrations and structured light II: experimental simulation with DMDs. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	1
268	Optimal Pump Shaping for Entanglement Control in Any Countable Basis. <i>Advanced Quantum Technologies</i> , 2021 , 4, 2100066	4.3	2
267	Demonstrating Arago-Fresnel laws with Bessel beams from vectorial axicons. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 1248-1254	1.8	1
266	Measuring dimensionality and purity of high-dimensional entangled states. <i>Nature Communications</i> , 2021 , 12, 5159	17.4	3
265	Spatially resolved birefringence measurements with a digital micro-mirror device. <i>Optics Express</i> , 2021 , 29, 34616-34628	3.3	
264	Modal description of paraxial structured light propagation: tutorial. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 1443-1449	1.8	0
263	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	2.9	3
262	Toward a quantum future for South Africa. <i>AVS Quantum Science</i> , 2021 , 3, 040501	10.3	1
261	Tailored radially self-accelerating beams. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 075605	1.7	2
260	High-quality vector vortex arrays by holographic and geometric phase control. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 465101	3	4
259	Determining the non-separability of vector modes with digital micromirror devices. <i>Applied Physics Letters</i> , 2020 , 116, 091101	3.4	12
258	Experimental high-dimensional quantum secret sharing with spin-orbit-structured photons. <i>Physical Review A</i> , 2020 , 101,	2.6	15
257	Polarisation-insensitive generation of complex vector modes from a digital micromirror device. <i>Scientific Reports</i> , 2020 , 10, 10434	4.9	22
256	Single-pixel imaging using caustic patterns. <i>Scientific Reports</i> , 2020 , 10, 2281	4.9	4
255	Multidimensional entanglement transport through single-mode fiber. <i>Science Advances</i> , 2020 , 6, eaay0837	17.3	36
254	High-purity orbital angular momentum states from a visible metasurface laser. <i>Nature Photonics</i> , 2020 , 14, 498-503	33.9	114

253	Purity and efficiency of hybrid orbital angular momentum-generating metasurfaces. <i>Journal of Nanophotonics</i> , 2020 , 14, 1	1.1	7
252	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-C6	1.8	14
251	Lossless reshaping of structured light. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, C80-C85	1.8	8
250	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-C44	1.8	13
249	Modal analysis of structured light with spatial light modulators: a practical tutorial. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, C146-C160	1.8	20
248	Optics in Africa: introduction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, OIA1-OIA3	1.8	1
247	High-dimensional cryptography with spatial modes of light: tutorial. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, A309	1.7	14
246	General design principle for structured light lasers. <i>Optics Express</i> , 2020 , 28, 35006-35017	3.3	7
245	All-digital Stokes polarimetry with a digital micromirror device. <i>Optics Letters</i> , 2020 , 45, 2319-2322	3	15
244	Improving the beam quality factor (M) by phase-only reshaping of structured light. <i>Optics Letters</i> , 2020 , 45, 3753-3756	3	5
243	Structured Light: Tailored for Purpose. <i>Optics and Photonics News</i> , 2020 , 31, 24	1.9	26
242	Structured ray-wave vector vortex beams in multiple degrees of freedom from a laser. <i>Optica</i> , 2020 , 7, 820	8.6	37
241	Optics in Africa: introduction. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020 , 37, OIA1	1.7	
240	Non-diffracting nature of truncated Hermite-Gaussian beams: publisher's note. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 1906	1.8	
239	Multidimensional spatial entanglement transfer through our existing fiber optic network 2020 ,		1
238	Structured ray-wave vector vortex beams in multiple degrees of freedom from a laser: erratum. <i>Optica</i> , 2020 , 7, 1705	8.6	2
237	Random number generation and distribution out of thin (or thick) air. <i>Journal of Optics (United Kingdom)</i> , 2020 , 22, 075705	1.7	2
236	Experimental study of the generalized Jarzynski fluctuation relation using entangled photons. <i>Physical Review A</i> , 2020 , 101,	2.6	4

235	Spin and orbital angular momentum dynamics in counterpropagating vectorially structured light. <i>Physical Review A</i> , 2020 , 102,	2.6	7
234	Enhancing the modal purity of orbital angular momentum photons. <i>APL Photonics</i> , 2020 , 5, 070802	5.2	22
233	Spatial filtering of structured light. <i>American Journal of Physics</i> , 2020 , 88, 1123-1131	0.7	5
232	Revealing the modal content of obstructed beams. <i>Physical Review A</i> , 2020 , 102,	2.6	2
231	Experimental Demonstration of 11-Dimensional 10-Party Quantum Secret Sharing. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000012	8.3	19
230	Do Laguerre-Gaussian beams recover their spatial properties after all obstacles?. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	2
229	Towards time-efficient ghost imaging. <i>Journal of Modern Optics</i> , 2020 , 67, 1176-1183	1.1	2
228	SU(2) Poincaré sphere: A generalized representation for multidimensional structured light. <i>Physical Review A</i> , 2020 , 102,	2.6	25
227	Ghost imaging using entanglement-swapped photons. <i>Npj Quantum Information</i> , 2019 , 5,	8.6	14
226	Entanglement distillation by Hong-Ou-Mandel interference with orbital angular momentum states. <i>APL Photonics</i> , 2019 , 4, 016103	5.2	3
225	Fractal light from lasers. <i>Physical Review A</i> , 2019 , 99,	2.6	10
224	A compact acoustic spanner to rotate macroscopic objects. <i>Scientific Reports</i> , 2019 , 9, 6757	4.9	2
223	The Resilience of Hermite and Laguerre-Gaussian Modes in Turbulence. <i>Journal of Lightwave Technology</i> , 2019 , 37, 3911-3917	4	24
222	Spatial mode detection by frequency upconversion. <i>Optics Letters</i> , 2019 , 44, 586-589	3	11
221	A versatile quantum walk resonator with bright classical light. <i>PLoS ONE</i> , 2019 , 14, e0214891	3.7	12
220	Coiling free electron matter waves. <i>New Journal of Physics</i> , 2019 , 21, 043018	2.9	8
219	Beyond the display: phase-only liquid crystal on Silicon devices and their applications in photonics [Invited]. <i>Optics Express</i> , 2019 , 27, 16206-16249	3.3	44
218	A High-Speed, Wavelength Invariant, Single-Pixel Wavefront Sensor With a Digital Micromirror Device. <i>IEEE Access</i> , 2019 , 7, 85860-85866	3.5	12

217	Ghost imaging with engineered quantum states by HongDUMandel interference. <i>New Journal of Physics</i> , 2019 , 21, 073044	2.9	7
216	Structured Light from Lasers. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900140	8.3	86
215	Quantum mechanics with patterns of light: Progress in high dimensional and multidimensional entanglement with structured light. <i>AVS Quantum Science</i> , 2019 , 1, 011701	10.3	62
214	Structured light with digital micromirror devices: a guide to best practice. <i>Optical Engineering</i> , 2019 , 59, 1	1.1	37
213	Free-space optical communication link with shape-invariant orbital angular momentum Bessel beams. <i>Applied Optics</i> , 2019 , 58, 4258-4264	1.7	27
212	Concepts in quantum state tomography and classical implementation with intense light: a tutorial. <i>Advances in Optics and Photonics</i> , 2019 , 11, 67	16.7	51
211	Bessel beams through turbulence 2019 ,		1
210	Generation of structured light by multilevel orbital angular momentum holograms. <i>Optics Express</i> , 2019 , 27, 6459-6470	3.3	12
209	Single-step shaping of the orbital angular momentum spectrum of light. <i>Optics Express</i> , 2019 , 27, 28009-280216	3.3	16
208	Real-time Stokes polarimetry using a digital micromirror device. <i>Optics Express</i> , 2019 , 27, 31087-31093	3.3	16
207	Quantitative orbital angular momentum measurement of perfect vortex beams. <i>Optics Letters</i> , 2019 , 44, 2736	3	16
206	How perfect are perfect vortex beams?. <i>Optics Letters</i> , 2019 , 44, 5614-5617	3	26
205	Quantum mechanics and classical light. <i>Contemporary Physics</i> , 2019 , 60, 1-22	3.3	33
204	Amplification of higher order Poincaré sphere beams through Nd:YLF and Nd:YAG crystals. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	5
203	Classically Entangled Light. <i>Progress in Optics</i> , 2019 , 64, 99-153	3.4	27
202	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	4.9	12
201	Basis-independent tomography and nonseparability witnesses of pure complex vectorial light fields by Stokes projections. <i>Physical Review A</i> , 2019 , 100,	2.6	24
200	Purity of Vector Vortex Beams through a Birefringent Amplifier. <i>Physical Review Applied</i> , 2018 , 9,	4.3	13

199	Creation and Detection of Vector Vortex Modes for Classical and Quantum Communication. <i>Journal of Lightwave Technology</i> , 2018 , 36, 292-301	4	129
198	Structured Laguerre-Gaussian beams for mitigation of spherical aberration in tightly focused regimes. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 045602	1.7	4
197	Brightness enhancement in a solid-state laser by mode transformation. <i>Optica</i> , 2018 , 5, 836	8.6	13
196	Are Bessel beams resilient to aberrations and turbulence?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 1021-1027	1.8	26
195	Classical and quantum analysis of propagation invariant vector flat-top beams. <i>Applied Optics</i> , 2018 , 57, 5451-5458	1.7	15
194	A compact diffractive sorter for high-resolution demultiplexing of orbital angular momentum beams. <i>Scientific Reports</i> , 2018 , 8, 10248	4.9	39
193	Modal Diversity for Robust Free-Space Optical Communications. <i>Physical Review Applied</i> , 2018 , 10,	4.3	19
192	The first iteration of Grover's algorithm using classical light with orbital angular momentum. <i>Journal of Modern Optics</i> , 2018 , 65, 1942-1948	1.1	7
191	Free-space communication with spatial modes of light 2018 ,		2
190	Self-healing high-dimensional quantum key distribution using hybrid spin-orbit Bessel states. <i>Optics Express</i> , 2018 , 26, 26946-26960	3.3	31
189	Generation and amplification of vector vortex beams 2018 ,		1
188	A hybrid quantum eraser scheme for characterization of free-space and fiber communication channels. <i>Optics Communications</i> , 2018 , 408, 53-57	2	3
187	A vector holographic optical trap. <i>Scientific Reports</i> , 2018 , 8, 17387	4.9	37
186	Recovery of nonseparability in self-healing vector Bessel beams. <i>Physical Review A</i> , 2018 , 98,	2.6	22
185	A review of complex vector light fields and their applications. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 123001	1.7	151
184	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,	2.6	11
183	Brightness enhancement in a solid-state laser by mode transformation: publisher's note. <i>Optica</i> , 2018 , 5, 1135	8.6	
182	Evolution of orbital angular momentum in three-dimensional structured light. <i>Physical Review A</i> , 2018 , 98,	2.6	9

181	Entanglement beating in free space through spin-orbit coupling. <i>Light: Science and Applications</i> , 2018 , 7, 18009	16.7	60
180	Characterizing quantum channels with non-separable states of classical light. <i>Nature Physics</i> , 2017 , 13, 397-402	16.2	134
179	Controlling light's helicity at the source: orbital angular momentum states from lasers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	42
178	Digital spiral-slit for bi-photon imaging. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 044006	1.7	4
177	Instrumentation limitation on a polarization-based entangled photon source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, 1084	1.7	4
176	Focusing anomalies with binary diffractive optical elements. <i>Applied Optics</i> , 2017 , 56, 9735-9741	1.7	2
175	Radially dependent angular acceleration of twisted light. <i>Optics Letters</i> , 2017 , 42, 675-678	3	23
174	Multiplexing 200 spatial modes with a single hologram. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 113501	1.7	31
173	Simultaneous entanglement swapping of multiple orbital angular momentum states of light. <i>Nature Communications</i> , 2017 , 8, 632	17.4	36
172	A deterministic detector for vector vortex states. <i>Scientific Reports</i> , 2017 , 7, 13882	4.9	32
171	Erasing the orbital angular momentum information of a photon. <i>Physical Review A</i> , 2017 , 95,	2.6	9
170	Roadmap on structured light. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 013001	1.7	518
169	Real and virtual propagation dynamics of angular accelerating white light beams. <i>Optics Express</i> , 2017 , 25, 20530-20540	3.3	2
168	Simultaneous generation of multiple vector beams on a single SLM. <i>Optics Express</i> , 2017 , 25, 25697-25706	9.3	82
167	How to Shape Light with Spatial Light Modulators 2017 ,		73
166	Comparing mode-crosstalk and mode-dependent loss of laterally displaced orbital angular momentum and Hermite-Gaussian modes for free-space optical communication. <i>Optics Letters</i> , 2017 , 42, 4175-4178	3	24
165	On the resilience of scalar and vector vortex modes in turbulence. <i>Optics Express</i> , 2016 , 24, 18105-13	3.3	37
164	Experimentally observed decay of high-dimensional entanglement through turbulence. <i>Physical Review A</i> , 2016 , 94,	2.6	25

163	Digital generation of partially coherent vortex beams. <i>Optics Letters</i> , 2016 , 41, 3471-4	3	40
162	Encoding information using Laguerre Gaussian modes over free space turbulence media. <i>Optics Letters</i> , 2016 , 41, 3086-9	3	48
161	Beam quality measure for vector beams. <i>Optics Letters</i> , 2016 , 41, 3407-10	3	60
160	Engineering two-photon high-dimensional states through quantum interference. <i>Science Advances</i> , 2016 , 2, e1501165	14.3	68
159	Optical communication beyond orbital angular momentum. <i>Scientific Reports</i> , 2016 , 6, 27674	4.9	114
158	Data transmission with twisted light through a free-space to fiber optical communication link. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 03LT01	1.7	22
157	Intracavity generation of low-loss radial-order Laguerre-Gaussian modes using digital holograms 2016 ,		1
156	Controlled generation of higher-order Poincaré sphere beams from a laser. <i>Nature Photonics</i> , 2016 , 10, 327-332	33.9	332
155	Emission of a propagation invariant flat-top beam from a microchip laser. <i>Journal of Luminescence</i> , 2016 , 170, 750-754	3.8	14
154	Revealing the radial modes in vortex beams. <i>Applied Optics</i> , 2016 , 55, 7830-7835	0.2	42
153	Optical interference with digital holograms. <i>American Journal of Physics</i> , 2016 , 84, 508-516	0.7	9
152	Implementing digital holograms to create and measure complex-plane optical fields. <i>American Journal of Physics</i> , 2016 , 84, 106-112	0.7	7
151	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	1.7	25
150	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	2.3	12
149	Creation and detection of optical modes with spatial light modulators. <i>Advances in Optics and Photonics</i> , 2016 , 8, 200	16.7	318
148	Optical communications beyond orbital angular momentum 2016 ,		2
147	Hong-Ou-Mandel interference of entangled Hermite-Gauss modes. <i>Physical Review A</i> , 2016 , 94,	2.6	14
146	Measuring the self-healing of the spatially inhomogeneous states of polarization of vector Bessel beams. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 035617	1.7	56

145	Realising high-dimensional quantum entanglement with orbital angular momentum. <i>South African Journal of Science</i> , 2015 , 111, 1-9	1.3	6
144	Radially polarized cylindrical vector beams from a monolithic microchip laser. <i>Optical Engineering</i> , 2015 , 54, 111304	1.1	13
143	Accelerated rotation with orbital angular momentum modes. <i>Physical Review A</i> , 2015 , 91,	2.6	52
142	Quantum computation with classical light: The Deutsch Algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015 , 379, 1675-1680	2.3	22
141	Rapid measurement of the fiber transmission matrix 2015 ,		2
140	Optimizing the synthesis of vanadium-oxygen nanostructures by plasma plume dynamics using optical imaging. <i>Optical Engineering</i> , 2015 , 54, 037106	1.1	8
139	Digital generation of shape-invariant Bessel-like beams. <i>Optics Express</i> , 2015 , 23, 7312-9	3.3	8
138	Fiber propagation of vector modes. <i>Optics Express</i> , 2015 , 23, 17330-6	3.3	72
137	Selective excitation and detection of higher-order doughnut laser modes as an incoherent superposition of two petals modes in a digital laser resonator 2015 ,		2
136	Low-loss selective excitation of higher-order modes in a diode-pumped solid-state digital laser 2015 ,		1
135	Direct fiber excitation with a digitally controlled solid state laser source. <i>Optics Letters</i> , 2015 , 40, 435-8	3	5
134	Angular accelerating white light 2015 ,		1
133	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, 1678-82	1.8	22
132	Implementation of a spatial light modulator for intracavity beam shaping. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 015604	1.7	22
131	Self-healing of Bessel-like beams with longitudinally dependent cone angles. <i>Journal of Optics (United Kingdom)</i> , 2015 , 17, 105614	1.7	3
130	Measuring the nonseparability of vector vortex beams. <i>Physical Review A</i> , 2015 , 92,	2.6	99
129	Implementation of multidimensional quantum walks using linear optics and classical light. <i>Physical Review A</i> , 2015 , 92,	2.6	18
128	Phase-selective vanadium dioxide (VO ₂) nanostructured thin films by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2015 , 118, 165308	2.5	18

127	Optical Angular Momentum 2015 , 1-21		
126	Generation of Laguerre-Gaussian beams using a diode pumped solid-state digital laser 2015 ,		1
125	Spatiotemporal Dynamics of Femtosecond Pulses Shaped by Diffractive Optical Elements. <i>Springer Proceedings in Physics</i> , 2015 , 797-800	0.2	
124	Self-healing of quantum entanglement after an obstruction. <i>Nature Communications</i> , 2014 , 5, 3248	17.4	90
123	Radial modal dependence of the azimuthal spectrum after parametric down-conversion. <i>Physical Review A</i> , 2014 , 89,	2.6	24
122	Experimental demonstration of Klyshko's advanced-wave picture using a coincidence-count based, camera-enabled imaging system. <i>Journal of Modern Optics</i> , 2014 , 61, 547-551	1.1	12
121	Measurement of the orbital angular momentum density of Bessel beams by projection into a Laguerre-Gaussian basis. <i>Applied Optics</i> , 2014 , 53, 5924-33	1.7	3
120	White light wavefront control with a spatial light modulator. <i>Optics Express</i> , 2014 , 22, 13870-9	3.3	17
119	Simulating quantum state engineering in spontaneous parametric down-conversion using classical light. <i>Optics Express</i> , 2014 , 22, 17039-49	3.3	8
118	Laguerre Gaussian beam multiplexing through turbulence 2014 ,		1
117	All-digital wavefront sensing for structured light beams. <i>Optics Express</i> , 2014 , 22, 14031-40	3.3	35
116	Detection of Bessel beams with digital axicons. <i>Optics Express</i> , 2014 , 22, 17553-60	3.3	27
115	Doughnut laser beam as an incoherent superposition of two petal beams. <i>Optics Letters</i> , 2014 , 39, 704-73		41
114	The digital laser: on-demand laser modes with the click of a button 2014 ,		1
113	Tuneable Gaussian to flat-top resonator by amplitude beam shaping using a digital laser 2014 ,		1
112	Optimisation study of the synthesis of vanadium oxide nanostructures using pulsed laser deposition 2014 ,		1
111	Digital control of laser modes with an intra-cavity spatial light modulator 2014 ,		1
110	How to make a digital laser 2014 ,		1

109	Orbital-angular-momentum entanglement in turbulence. <i>Physical Review A</i> , 2013 , 88,	2.6	73
108	A digital laser for on-demand laser modes. <i>Nature Communications</i> , 2013 , 4, 2289	17.4	207
107	Implementing quantum walks using orbital angular momentum of classical light. <i>Physical Review Letters</i> , 2013 , 110, 263602	7.4	70
106	Higher-dimensional orbital-angular-momentum-based quantum key distribution with mutually unbiased bases. <i>Physical Review A</i> , 2013 , 88,	2.6	193
105	Two-photon optics of Bessel-Gaussian modes. <i>Physical Review A</i> , 2013 , 88,	2.6	31
104	Generating and analyzing non-diffracting vector vortex beams 2013 ,		2
103	Orientation-dependent low field magnetic anomalies and room-temperature spintronic material \square Mn doped ZnO films by aerosol spray pyrolysis. <i>Journal of Alloys and Compounds</i> , 2013 , 579, 485-494	5.7	16
102	Propagation of orbital angular momentum carrying beams through a perturbing medium. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 105706	1.7	8
101	Generating and measuring nondiffracting vector Bessel beams. <i>Optics Letters</i> , 2013 , 38, 3429-32	3	64
100	Efficient sorting of Bessel beams. <i>Optics Express</i> , 2013 , 21, 165-71	3.3	48
99	All-Digital Holographic Tool for Mode Excitation and Analysis in Optical Fibers. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1023-1032	4	59
98	Antiferromagnetic \square paramagnetic state transition of NiO synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , 2013 , 265, 860-864	6.7	22
97	Tuneable Gaussian to flat-top resonator by amplitude beam shaping. <i>Optics Express</i> , 2013 , 21, 21113-8	3.3	20
96	Characterization of high-dimensional entangled systems via mutually unbiased measurements. <i>Physical Review Letters</i> , 2013 , 110, 143601	7.4	64
95	Focusing light with a flame lens. <i>Nature Communications</i> , 2013 , 4, 1869	17.4	2
94	Optical constants correlated electrons-spin of micro doughnuts of Mn-doped ZnO films. <i>Applied Surface Science</i> , 2013 , 280, 79-88	6.7	5
93	Exciting higher-order radial Laguerre-Gaussian modes in a diode-pumped solid-state laser resonator. <i>Applied Optics</i> , 2013 , 52, 2093-101	1.7	35
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