

# Andrew Forbes

## List of Publications by Citations

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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	Roadmap on structured light. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 013001	1.7	518
287	Controlled generation of higher-order Poincaré sphere beams from a laser. <i>Nature Photonics</i> , <b>2016</b> , 10, 327-332	33.9	332
286	Creation and detection of optical modes with spatial light modulators. <i>Advances in Optics and Photonics</i> , <b>2016</b> , 8, 200	16.7	318
285	A digital laser for on-demand laser modes. <i>Nature Communications</i> , <b>2013</b> , 4, 2289	17.4	207
284	Higher-dimensional orbital-angular-momentum-based quantum key distribution with mutually unbiased bases. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	193
283	A review of complex vector light fields and their applications. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 123001	1.7	151
282	Structured light. <i>Nature Photonics</i> , <b>2021</b> , 15, 253-262	33.9	142
281	Characterizing quantum channels with non-separable states of classical light. <i>Nature Physics</i> , <b>2017</b> , 13, 397-402	16.2	134
280	Creation and Detection of Vector Vortex Modes for Classical and Quantum Communication. <i>Journal of Lightwave Technology</i> , <b>2018</b> , 36, 292-301	4	129
279	High-purity orbital angular momentum states from a visible metasurface laser. <i>Nature Photonics</i> , <b>2020</b> , 14, 498-503	33.9	114
278	Optical communication beyond orbital angular momentum. <i>Scientific Reports</i> , <b>2016</b> , 6, 27674	4.9	114
277	Generating superpositions of higher-order Bessel beams. <i>Optics Express</i> , <b>2009</b> , 17, 23389-95	3.3	109
276	Measuring the nonseparability of vector vortex beams. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	99
275	Mode analysis with a spatial light modulator as a correlation filter. <i>Optics Letters</i> , <b>2012</b> , 37, 2478-80	3	99
274	Self-healing of quantum entanglement after an obstruction. <i>Nature Communications</i> , <b>2014</b> , 5, 3248	17.4	90
273	Structured Light from Lasers. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900140	8.3	86
272	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> , <b>2008</b> , 92, 1285-1292	6.4	84

271	Simultaneous generation of multiple vector beams on a single SLM. <i>Optics Express</i> , <b>2017</b> , 25, 25697-25706	3.3	82
270	Entangled Bessel-Gaussian beams. <i>Optics Express</i> , <b>2012</b> , 20, 23589-97	3.3	82
269	Measurement of the orbital angular momentum density of light by modal decomposition. <i>New Journal of Physics</i> , <b>2013</b> , 15, 073025	2.9	76
268	Orbital-angular-momentum entanglement in turbulence. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	73
267	How to Shape Light with Spatial Light Modulators <b>2017</b> ,		73
266	Fiber propagation of vector modes. <i>Optics Express</i> , <b>2015</b> , 23, 17330-6	3.3	72
265	Implementing quantum walks using orbital angular momentum of classical light. <i>Physical Review Letters</i> , <b>2013</b> , 110, 263602	7.4	70
264	Engineering two-photon high-dimensional states through quantum interference. <i>Science Advances</i> , <b>2016</b> , 2, e1501165	14.3	68
263	Generating and measuring nondiffracting vector Bessel beams. <i>Optics Letters</i> , <b>2013</b> , 38, 3429-32	3	64
262	Characterization of high-dimensional entangled systems via mutually unbiased measurements. <i>Physical Review Letters</i> , <b>2013</b> , 110, 143601	7.4	64
261	Quantum mechanics with patterns of light: Progress in high dimensional and multidimensional entanglement with structured light. <i>AVS Quantum Science</i> , <b>2019</b> , 1, 011701	10.3	62
260	Beam quality measure for vector beams. <i>Optics Letters</i> , <b>2016</b> , 41, 3407-10	3	60
259	Entanglement beating in free space through spin-orbit coupling. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 18009	16.7	60
258	All-Digital Holographic Tool for Mode Excitation and Analysis in Optical Fibers. <i>Journal of Lightwave Technology</i> , <b>2013</b> , 31, 1023-1032	4	59
257	Intra-cavity generation of superpositions of Laguerre-Gaussian beams. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 106, 683-690	1.9	57
256	Measuring the self-healing of the spatially inhomogeneous states of polarization of vector Bessel beams. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 035617	1.7	56
255	Azimuthal decomposition with digital holograms. <i>Optics Express</i> , <b>2012</b> , 20, 10996-1004	3.3	54
254	A conical wave approach to calculating Bessel-Gauss beam reconstruction after complex obstacles. <i>Optics Communications</i> , <b>2009</b> , 282, 1078-1082	2	53

253	Accelerated rotation with orbital angular momentum modes. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	52
252	Wavefront reconstruction by modal decomposition. <i>Optics Express</i> , <b>2012</b> , 20, 19714-25	3.3	52
251	Concepts in quantum state tomography and classical implementation with intense light: a tutorial. <i>Advances in Optics and Photonics</i> , <b>2019</b> , 11, 67	16.7	51
250	Encoding information using Laguerre Gaussian modes over free space turbulence media. <i>Optics Letters</i> , <b>2016</b> , 41, 3086-9	3	48
249	Efficient sorting of Bessel beams. <i>Optics Express</i> , <b>2013</b> , 21, 165-71	3.3	48
248	Beam-quality measurements using a spatial light modulator. <i>Optics Letters</i> , <b>2012</b> , 37, 4687-9	3	46
247	Poynting vector and orbital angular momentum density of superpositions of Bessel beams. <i>Optics Express</i> , <b>2011</b> , 19, 16760-71	3.3	45
246	Beyond the display: phase-only liquid crystal on Silicon devices and their applications in photonics [Invited]. <i>Optics Express</i> , <b>2019</b> , 27, 16206-16249	3.3	44
245	Self Assembly and Properties of C:WO(3) Nano-Platelets and C:VO(2)/V(2)O(5) Triangular Capsules Produced by Laser Solution Photolysis. <i>Nanoscale Research Letters</i> , <b>2009</b> , 5, 389-397	5	44
244	Controlling light's helicity at the source: orbital angular momentum states from lasers. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2017</b> , 375,	3	42
243	Revealing the radial modes in vortex beams. <i>Applied Optics</i> , <b>2016</b> , 55, 7830-7835	0.2	42
242	Doughnut laser beam as an incoherent superposition of two petal beams. <i>Optics Letters</i> , <b>2014</b> , 39, 704-73		41
241	Digital generation of partially coherent vortex beams. <i>Optics Letters</i> , <b>2016</b> , 41, 3471-4	3	40
240	A compact diffractive sorter for high-resolution demultiplexing of orbital angular momentum beams. <i>Scientific Reports</i> , <b>2018</b> , 8, 10248	4.9	39
239	On the resilience of scalar and vector vortex modes in turbulence. <i>Optics Express</i> , <b>2016</b> , 24, 18105-13	3.3	37
238	Unraveling Bessel Beams. <i>Optics and Photonics News</i> , <b>2013</b> , 24, 22	1.9	37
237	Raman spectroscopy of WO3 nano-wires and thermo-chromism study of VO2 belts produced by ultrasonic spray and laser pyrolysis techniques. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2008</b> , 205, 150-154	1.6	37
236	Structured light with digital micromirror devices: a guide to best practice. <i>Optical Engineering</i> , <b>2019</b> , 59, 1	1.1	37

235	Structured ray-wave vector vortex beams in multiple degrees of freedom from a laser. <i>Optica</i> , <b>2020</b> , 7, 820	8.6	37
234	A vector holographic optical trap. <i>Scientific Reports</i> , <b>2018</b> , 8, 17387	4.9	37
233	Multidimensional entanglement transport through single-mode fiber. <i>Science Advances</i> , <b>2020</b> , 6, eaay0837	4.3	36
232	Simultaneous entanglement swapping of multiple orbital angular momentum states of light. <i>Nature Communications</i> , <b>2017</b> , 8, 632	17.4	36
231	Bessel-like beams with z-dependent cone angles. <i>Optics Express</i> , <b>2010</b> , 18, 1966-73	3.3	36
230	Intra-cavity flat-top beam generation. <i>Optics Express</i> , <b>2009</b> , 17, 15891-903	3.3	36
229	Solar absorption and thermal emission properties of multiwall carbon nanotube/nickel oxide nanocomposite thin films synthesized by sol-gel process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 581-587	3.1	35
228	All-digital wavefront sensing for structured light beams. <i>Optics Express</i> , <b>2014</b> , 22, 14031-40	3.3	35
227	Exciting higher-order radial Laguerre-Gaussian modes in a diode-pumped solid-state laser resonator. <i>Applied Optics</i> , <b>2013</b> , 52, 2093-101	1.7	35
226	Robust interferometer for the routing of light beams carrying orbital angular momentum. <i>New Journal of Physics</i> , <b>2011</b> , 13, 093014	2.9	35
225	Quantum mechanics and classical light. <i>Contemporary Physics</i> , <b>2019</b> , 60, 1-22	3.3	33
224	A deterministic detector for vector vortex states. <i>Scientific Reports</i> , <b>2017</b> , 7, 13882	4.9	32
223	Modal decomposition without a priori scale information. <i>Optics Express</i> , <b>2012</b> , 20, 27866-73	3.3	32
222	Controlling the evolution of nondiffracting speckle by complex amplitude modulation on a phase-only spatial light modulator. <i>Optics Communications</i> , <b>2012</b> , 285, 5-12	2	31
221	Two-photon optics of Bessel-Gaussian modes. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	31
220	Multiplexing 200 spatial modes with a single hologram. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 113501	1.7	31
219	Self-healing high-dimensional quantum key distribution using hybrid spin-orbit Bessel states. <i>Optics Express</i> , <b>2018</b> , 26, 26946-26960	3.3	31
218	Detection of Bessel beams with digital axicons. <i>Optics Express</i> , <b>2014</b> , 22, 17553-60	3.3	27

217	From stationary annular rings to rotating Bessel beams. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2012</b> , 29, 567-73	1.8	27
216	Free-space optical communication link with shape-invariant orbital angular momentum Bessel beams. <i>Applied Optics</i> , <b>2019</b> , 58, 4258-4264	1.7	27
215	Classically Entangled Light. <i>Progress in Optics</i> , <b>2019</b> , 64, 99-153	3.4	27
214	Are Bessel beams resilient to aberrations and turbulence?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2018</b> , 35, 1021-1027	1.8	26
213	Angular self-reconstruction of petal-like beams. <i>Optics Letters</i> , <b>2013</b> , 38, 3363-5	3	26
212	Transverse mode selection in a monolithic microchip laser. <i>Optics Communications</i> , <b>2011</b> , 284, 5475-5479		26
211	How perfect are perfect vortex beams?. <i>Optics Letters</i> , <b>2019</b> , 44, 5614-5617	3	26
210	Structured Light: Tailored for Purpose. <i>Optics and Photonics News</i> , <b>2020</b> , 31, 24	1.9	26
209	Experimentally observed decay of high-dimensional entanglement through turbulence. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	25
208	Measuring the rotation rates of superpositions of higher-order Bessel beams. <i>Journal of Modern Optics</i> , <b>2012</b> , 59, 259-267	1.1	25
207	SU(2) Poincaré sphere: A generalized representation for multidimensional structured light. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	25
206	The effect of turbulence on entanglement-based free-space quantum key distribution with photonic orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 064002	1.7	25
205	Structured Light in Turbulence. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2021</b> , 27, 1-21	3.8	25
204	The Resilience of Hermite and Laguerre-Gaussian Modes in Turbulence. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 3911-3917	4	24
203	Radial modal dependence of the azimuthal spectrum after parametric down-conversion. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	24
202	Preparation and characterization of carbon/nickel oxide nanocomposite coatings for solar absorber applications. <i>Applied Surface Science</i> , <b>2012</b> , 258, 7174-7180	6.7	24
201	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> Ambients Validation of a New Growth Mechanism. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 372-380	5	24
200	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> , <b>2017</b> , 42, 4175-4178	3	24

199	Basis-independent tomography and nonseparability witnesses of pure complex vectorial light fields by Stokes projections. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	24
198	Radially dependent angular acceleration of twisted light. <i>Optics Letters</i> , <b>2017</b> , 42, 675-678	3	23
197	Orbital angular momentum correlations with a phase-flipped Gaussian mode pump beam. <i>Journal of Optics (United Kingdom)</i> , <b>2012</b> , 14, 085401	1.7	23
196	Creation and control of high-dimensional multi-partite classically entangled light. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 50	16.7	23
195	Quantum computation with classical light: The Deutsch Algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2015</b> , 379, 1675-1680	2.3	22
194	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> , <b>2015</b> , 32, 1678-82	1.8	22
193	Implementation of a spatial light modulator for intracavity beam shaping. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 015604	1.7	22
192	Polarisation-insensitive generation of complex vector modes from a digital micromirror device. <i>Scientific Reports</i> , <b>2020</b> , 10, 10434	4.9	22
191	Data transmission with twisted light through a free-space to fiber optical communication link. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 03LT01	1.7	22
190	Antiferromagnetic-paramagnetic state transition of NiO synthesized by pulsed laser deposition. <i>Applied Surface Science</i> , <b>2013</b> , 265, 860-864	6.7	22
189	Estimation of thermal fracture limits in quasi-continuous-wave end-pumped lasers through a time-dependent analytical model. <i>Optics Express</i> , <b>2008</b> , 16, 11115-23	3.3	22
188	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> , <b>2008</b> , 5, 549-551		22
187	Bessel-Gauss resonator with internal amplitude filter. <i>Optics Communications</i> , <b>2008</b> , 281, 2385-2392	2	22
186	Enhancing the modal purity of orbital angular momentum photons. <i>APL Photonics</i> , <b>2020</b> , 5, 070802	5.2	22
185	Recovery of nonseparability in self-healing vector Bessel beams. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	22
184	Petal-like modes in Porro prism resonators. <i>Optics Express</i> , <b>2007</b> , 15, 14065-77	3.3	21
183	Tuneable Gaussian to flat-top resonator by amplitude beam shaping. <i>Optics Express</i> , <b>2013</b> , 21, 21113-8	3.3	20
182	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> , <b>2009</b> , 9, 3286-94	1.3	20

181	Quantitative measurement of the orbital angular momentum density of light. <i>Applied Optics</i> , <b>2012</b> , 51, 823-33	1.7	20
180	Gaussian mode selection with intracavity diffractive optics. <i>Optics Letters</i> , <b>2009</b> , 34, 2991-3	3	20
179	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> , <b>2020</b> , 37, C146-C160	1.8	20
178	Modal Diversity for Robust Free-Space Optical Communications. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	19
177	Generation and propagation dynamics of obstructed and unobstructed rotating orbital angular momentum-carrying Helicon beams. <i>Journal of Optics (United Kingdom)</i> , <b>2012</b> , 14, 035702	1.7	19
176	Experimental Demonstration of 11-Dimensional 10-Party Quantum Secret Sharing. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 2000012	8.3	19
175	Implementation of multidimensional quantum walks using linear optics and classical light. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	18
174	Phase-selective vanadium dioxide (VO <sub>2</sub> ) nanostructured thin films by pulsed laser deposition. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 165308	2.5	18
173	White light wavefront control with a spatial light modulator. <i>Optics Express</i> , <b>2014</b> , 22, 13870-9	3.3	17
172	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> , <b>2012</b> , 86, 1416-1427	6.8	16
171	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> , <b>2013</b> , 579, 485-494	5.7	16
170	Formation of tungsten oxide nanostructures by laser pyrolysis: stars, fibres and spheres. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 166	5	16
169	Real-time Stokes polarimetry using a digital micromirror device. <i>Optics Express</i> , <b>2019</b> , 27, 31087-31093	3.3	16
168	Quantitative orbital angular momentum measurement of perfect vortex beams. <i>Optics Letters</i> , <b>2019</b> , 44, 2736	3	16
167	Experimental high-dimensional quantum secret sharing with spin-orbit-structured photons. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	15
166	Classical and quantum analysis of propagation invariant vector flat-top beams. <i>Applied Optics</i> , <b>2018</b> , 57, 5451-5458	1.7	15
165	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> , <b>2012</b> , 2012, 1-7	2.1	15
164	All-digital Stokes polarimetry with a digital micromirror device. <i>Optics Letters</i> , <b>2020</b> , 45, 2319-2322	3	15



163	Vectorial Doppler metrology. <i>Nature Communications</i> , <b>2021</b> , 12, 4186	17.4	15
162	Ghost imaging using entanglement-swapped photons. <i>Npj Quantum Information</i> , <b>2019</b> , 5,	8.6	14
161	Emission of a propagation invariant flat-top beam from a microchip laser. <i>Journal of Luminescence</i> , <b>2016</b> , 170, 750-754	3.8	14
160	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> , <b>2011</b> , 28, 1372-8	1.8	14
159	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> , <b>2020</b> , 37, C1-C6	1.8	14
158	High-dimensional cryptography with spatial modes of light: tutorial. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2020</b> , 37, A309	1.7	14
157	Hong-Ou-Mandel interference of entangled Hermite-Gauss modes. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	14
156	Radially polarized cylindrical vector beams from a monolithic microchip laser. <i>Optical Engineering</i> , <b>2015</b> , 54, 111304	1.1	13
155	Purity of Vector Vortex Beams through a Birefringent Amplifier. <i>Physical Review Applied</i> , <b>2018</b> , 9,	4.3	13
154	Brightness enhancement in a solid-state laser by mode transformation. <i>Optica</i> , <b>2018</b> , 5, 836	8.6	13
153	Wavelength tunable laser beam shaping. <i>Optics Letters</i> , <b>2012</b> , 37, 49-51	3	13
152	Intra-cavity generation of Bessel-like beams with longitudinally dependent cone angles. <i>Optics Express</i> , <b>2010</b> , 18, 4701-8	3.3	13
151	The generation of flat-top beams by complex amplitude modulation with a phase-only spatial light modulator <b>2012</b> ,		13
150	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> , <b>2020</b> , 37, C33-C44	1.8	13
149	A versatile quantum walk resonator with bright classical light. <i>PLoS ONE</i> , <b>2019</b> , 14, e0214891	3.7	12
148	Determining the non-separability of vector modes with digital micromirror devices. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 091101	3.4	12
147	A High-Speed, Wavelength Invariant, Single-Pixel Wavefront Sensor With a Digital Micromirror Device. <i>IEEE Access</i> , <b>2019</b> , 7, 85860-85866	3.5	12
146	Experimental demonstration of Klyshko's advanced-wave picture using a coincidence-count based, camera-enabled imaging system. <i>Journal of Modern Optics</i> , <b>2014</b> , 61, 547-551	1.1	12

145	Shape invariant higher-order Bessel-like beams carrying orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , <b>2012</b> , 14, 085703	1.7	12
144	Reconstruction of laser beam wavefronts based on mode analysis. <i>Applied Optics</i> , <b>2013</b> , 52, 5312-7	1.7	12
143	Kaleidoscope modes in large aperture Porro prism resonators. <i>Optics Express</i> , <b>2008</b> , 16, 12707-14	3.3	12
142	Generation of structured light by multilevel orbital angular momentum holograms. <i>Optics Express</i> , <b>2019</b> , 27, 6459-6470	3.3	12
141	Quantum computation with classical light: Implementation of the Deutsch-Jozsa algorithm. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2016</b> , 380, 1925-1931	2.3	12
140	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> , <b>2019</b> , 9, 19687	4.9	12
139	Spatial mode detection by frequency upconversion. <i>Optics Letters</i> , <b>2019</b> , 44, 586-589	3	11
138	Synthesis of tungsten oxide nanostructures by laser pyrolysis. <i>International Journal of Nanoparticles</i> , <b>2008</b> , 1, 185	0.4	11
137	Astigmatic hybrid SU(2) vector vortex beams: towards versatile structures in longitudinally variant polarized optics. <i>Optics Express</i> , <b>2021</b> , 29, 315-329	3.3	11
136	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> , <b>2018</b> , 98,	2.6	11
135	Fractal light from lasers. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	10
134	Spatial properties of coaxial superposition of two coherent Gaussian beams. <i>Applied Optics</i> , <b>2013</b> , 52, 5766-72	1.7	10
133	Mean focal length of an aberrated lens. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 1403-9	1.8	10
132	Erasing the orbital angular momentum information of a photon. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	9
131	Selection of a LGp0-shaped fundamental mode in a laser cavity: Phase versus amplitude masks. <i>Optics Communications</i> , <b>2012</b> , 285, 5268-5275	2	9
130	Structural and magnetic properties of Fe <sub>1-x</sub> CoxSi thin films deposited via pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 232503	3.4	9
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44	Intracavity generation of low-loss radial-order Laguerre-Gaussian modes using digital holograms <b>2016</b> ,		1
43	Laguerre Gaussian beam multiplexing through turbulence <b>2014</b> ,		1
42	The digital laser: on-demand laser modes with the click of a button <b>2014</b> ,		1
41	Tuneable Gaussian to flat-top resonator by amplitude beam shaping using a digital laser <b>2014</b> ,		1
40	Optimisation study of the synthesis of vanadium oxide nanostructures using pulsed laser deposition <b>2014</b> ,		1
39	Digital control of laser modes with an intra-cavity spatial light modulator <b>2014</b> ,		1
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31	Investigation of local spatial spectra of Bessel light-beams <b>2009</b> ,		1
30	Space polypropulsion <b>2008</b> ,		1
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18	Deep learning early stopping for non-degenerate ghost imaging. <i>Scientific Reports</i> , <b>2021</b> , 11, 8561	4.9	1
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