

Miles J Padgett

List of Publications by Year in descending order

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Version: 2024-02-01

573
papers

48,765
citations

1172

111
h-index

1934

207
g-index

584
all docs

584
docs citations

584
times ranked

16291
citing authors

#	ARTICLE	IF	CITATIONS
1	3D imaging through a single optical fiber. , 2022, , .		1
2	Single-pixel imaging with heralded single photons. , 2022, 1, 826.		6
3	Quantum imaging with a photon counting camera. Scientific Reports, 2022, 12, 8286.	3.3	15
4	Real-time visualisation and optimisation of acoustic waves carrying orbital angular momentum. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 264007.	2.1	1
5	Optimising backscatter from multiple beam interference. Optics Express, 2021, 29, 8770.	3.4	1
6	Compressed sensing in the far-field of the spatial light modulator in high noise conditions. Scientific Reports, 2021, 11, 17460.	3.3	4
7	Single-pixel imaging pattern sets and their implications on scene reconstruction. , 2021, , .		0
8	Noise rejection through an improved quantum illumination protocol. Scientific Reports, 2021, 11, 21841.	3.3	10
9	Time-of-flight 3D imaging through multimode optical fibers. Science, 2021, 374, 1395-1399.	12.6	66
10	Amplification of waves from a rotating body. Nature Physics, 2020, 16, 1069-1073.	16.7	45
11	How many photons does it take to form an image?. Applied Physics Letters, 2020, 116, .	3.3	15
12	Imaging through noise with quantum illumination. Science Advances, 2020, 6, eaay2652.	10.3	90
13	Single-pixel imaging using caustic patterns. Scientific Reports, 2020, 10, 2281.	3.3	9
14	Revealing and concealing entanglement with noninertial motion. Physical Review A, 2020, 101, .	2.5	15
15	Developing a portable gas imaging camera using highly tunable active-illumination and computer vision. Optics Express, 2020, 28, 18566.	3.4	9
16	Dual-band single-pixel telescope. Optics Express, 2020, 28, 18180.	3.4	14
17	Single-pixel imaging 12 years on: a review. Optics Express, 2020, 28, 28190.	3.4	263
18	Single-pixel LIDAR with Deep Learning Optimised Sampling. , 2020, , .		2

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19	Imaging Bell-type nonlocal behavior. <i>Science Advances</i> , 2019, 5, eaaw2563.	10.3	42
20	A High-Speed, Wavelength Invariant, Single-Pixel Wavefront Sensor With a Digital Micromirror Device. <i>IEEE Access</i> , 2019, 7, 85860-85866.	4.2	15
21	Phase and amplitude imaging with quantum correlations through Fourier Ptychography. <i>Scientific Reports</i> , 2019, 9, 10445.	3.3	18
22	Photon Bunching in a Rotating Reference Frame. <i>Physical Review Letters</i> , 2019, 123, 110401.	7.8	30
23	Imaging with quantum states of light. <i>Nature Reviews Physics</i> , 2019, 1, 367-380.	26.6	201
24	A compact acoustic spanner to rotate macroscopic objects. <i>Scientific Reports</i> , 2019, 9, 6757.	3.3	4
25	A versatile quantum walk resonator with bright classical light. <i>PLoS ONE</i> , 2019, 14, e0214891.	2.5	24
26	Hybrid 3D ranging and velocity tracking system combining multi-view cameras and simple LiDAR. <i>Scientific Reports</i> , 2019, 9, 5241.	3.3	11
27	Leach etÂal. Reply:. <i>Physical Review Letters</i> , 2019, 122, 139402.	7.8	1
28	Deep learning optimized single-pixel LiDAR. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	40
29	Principles and prospects for single-pixel imaging. <i>Nature Photonics</i> , 2019, 13, 13-20.	31.4	491
30	Beating classical imaging limits with entangled photons. , 2019, , .		4
31	Concepts in quantum state tomography and classical implementation with intense light: a tutorial. <i>Advances in Optics and Photonics</i> , 2019, 11, 67.	25.5	107
32	A light-in-flight single-pixel camera for use in the visible and short-wave infrared. <i>Optics Express</i> , 2019, 27, 9829.	3.4	13
33	Resolution-enhanced quantum imaging by centroid estimation of biphotons. <i>Optica</i> , 2019, 6, 347.	9.3	41
34	Measurement of the spin-orbit coupling interaction in ring-core optical fibers. <i>OSA Continuum</i> , 2019, 2, 2975.	1.8	12
35	Time of Flight Based 3D Imaging Through Multimode Optical Fibres. , 2019, , .		0
36	Testing a Bell inequality in full field images of spontaneous parametric down-conversion. , 2019, , .		0

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37	Exploiting digital micromirror device for holographic micro-endoscopy. , 2019, , .		2
38	Light, the universe and everything â€“ 12 Herculean tasks for quantum cowboys and black diamond skiers. Journal of Modern Optics, 2018, 65, 1261-1308.	1.3	6
39	Testing for entanglement with periodic coarse graining. Physical Review A, 2018, 97, .	2.5	8
40	â€˜Twistedâ€™ electrons. Contemporary Physics, 2018, 59, 126-144.	1.8	40
41	Deep learning for real-time single-pixel video. Scientific Reports, 2018, 8, 2369.	3.3	187
42	Reversal of orbital angular momentum arising from an extreme Doppler shift. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3800-3803.	7.1	35
43	Spiniform phase-encoded metagratings entangling arbitrary rational-order orbital angular momentum. Light: Science and Applications, 2018, 7, 17156-17156.	16.6	97
44	More than meets the eye. Gut, 2018, 67, 69-69.	12.1	3
45	Ghost Imaging Using Optical Correlations. Laser and Photonics Reviews, 2018, 12, 1700143.	8.7	118
46	Experimental Limits of Ghost Diffraction: Popperâ€™s Thought Experiment. Scientific Reports, 2018, 8, 13183.	3.3	14
47	Holographic optical trapping Raman micro-spectroscopy for non-invasive measurement and manipulation of live cells. Optics Express, 2018, 26, 25211.	3.4	27
48	Experimental study of quantum thermodynamics using optical vortices. Journal of Physics Communications, 2018, 2, 035012.	1.2	11
49	Approach to classify, separate, and enrich objects in groups using ensemble sorting. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5681-5685.	7.1	8
50	1000 fps computational ghost imaging using LED-based structured illumination. Optics Express, 2018, 26, 2427.	3.4	152
51	Resolution limits of quantum ghost imaging. Optics Express, 2018, 26, 7528.	3.4	51
52	How fast is a twisted photon?. Optica, 2018, 5, 682.	9.3	24
53	Quantum-inspired computational imaging. Science, 2018, 361, .	12.6	134
54	Sub-nanosecond Temporally Resolved Imaging with a Single Pixel Camera. , 2018, , .		0

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55	Imaging Beyond a Multimode Fibre with Time of Flight Depth Information. , 2018, , .		0
56	Where fewer pixels give you more image. , 2018, , .		0
57	Optical orbital angular momentum. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150444.	3.4	92
58	Adaptive foveated single-pixel imaging with dynamic supersampling. Science Advances, 2017, 3, e1601782.	10.3	184
59	Image reconstruction from photon sparse data. Scientific Reports, 2017, 7, 42164.	3.3	16
60	A Bayesian Approach to Denoising of Single-Photon Binary Images. IEEE Transactions on Computational Imaging, 2017, 3, 460-471.	4.4	19
61	Measuring the orbital angular momentum spectrum of an electron beam. Nature Communications, 2017, 8, 15536.	12.8	71
62	Transparency and openness in science. Royal Society Open Science, 2017, 4, 160979.	2.4	1
63	Free-space propagation of high-dimensional structured optical fields in an urban environment. Science Advances, 2017, 3, e1700552.	10.3	147
64	Sharing a Common Origin Between the Rotational and Linear Doppler Effects. Laser and Photonics Reviews, 2017, 11, 1700183.	8.7	81
65	A Russian Dolls ordering of the Hadamard basis for compressive single-pixel imaging. Scientific Reports, 2017, 7, 3464.	3.3	193
66	Generation of Caustics and Rogue Waves from Nonlinear Instability. Physical Review Letters, 2017, 119, 203901.	7.8	45
67	An introduction to ghost imaging: quantum and classical. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160233.	3.4	172
68	Roadmap on structured light. Journal of Optics (United Kingdom), 2017, 19, 013001.	2.2	888
69	Orbital angular momentum 25 years on [Invited]. Optics Express, 2017, 25, 11265.	3.4	578
70	Sub-shot-noise shadow sensing with quantum correlations. Optics Express, 2017, 25, 21826.	3.4	14
71	Polarisation structuring of broadband light. Optics Express, 2017, 25, 25079.	3.4	26
72	Comparison of nematic liquid-crystal and DMD based spatial light modulation in complex photonics. Optics Express, 2017, 25, 29874.	3.4	95

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73	Compressed sensing with near-field THz radiation. <i>Optica</i> , 2017, 4, 989.	9.3	124
74	Real-time imaging of methane gas leaks using a single-pixel camera. <i>Optics Express</i> , 2017, 25, 2998.	3.4	168
75	Unsupervised restoration of subsampled images constructed from geometric and binomial data. , 2017, , .		0
76	Real-time computational photon-counting LiDAR. <i>Optical Engineering</i> , 2017, 57, 1.	1.0	16
77	High-speed Polarisation Shaping of Arbitrary Vector Beams Using a Digital Micro-mirror Device. , 2017, , .		0
78	Holographic tracking and sizing of optically trapped microprobes in diamond anvil cells. <i>Optics Express</i> , 2016, 24, 27009.	3.4	5
79	Comparing the information capacity of Laguerre-Gaussian and Hermite-Gaussian modal sets in a finite-aperture system. <i>Optics Express</i> , 2016, 24, 27127.	3.4	39
80	High-speed spatial control of the intensity, phase and polarisation of vector beams using a digital micro-mirror device. <i>Optics Express</i> , 2016, 24, 29269.	3.4	101
81	Heralded phase-contrast imaging using an orbital angular momentum phase-filter. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 055204.	2.2	23
82	Quantum Mechanical Properties of Light Fields Carrying Orbital Angular Momentum. , 2016, , 435-454.		1
83	Video recording true single-photon double-slit interference. <i>American Journal of Physics</i> , 2016, 84, 671-677.	0.7	42
84	3D single-pixel video. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 035203.	2.2	57
85	Improving the signal-to-noise ratio of single-pixel imaging using digital microscanning. <i>Optics Express</i> , 2016, 24, 10476.	3.4	132
86	The transition from a coherent optical vortex to a Rankine vortex: beam contrast dependence on topological charge. <i>Journal of Modern Optics</i> , 2016, 63, S51-S56.	1.3	1
87	Nondestructive Measurement of Orbital Angular Momentum for an Electron Beam. <i>Physical Review Letters</i> , 2016, 117, 154801.	7.8	24
88	Tissue diagnosis using power-sharing multifocal Raman micro-spectroscopy and auto-fluorescence imaging. <i>Biomedical Optics Express</i> , 2016, 7, 2993.	2.9	42
89	DMD-based software-configurable spatially-offset Raman spectroscopy for spectral depth-profiling of optically turbid samples. <i>Optics Express</i> , 2016, 24, 12701.	3.4	30
90	Real-time 3D video utilizing a compressed sensing time-of-flight single-pixel camera. , 2016, , .		8

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91	Coherent Absorption of NOON States. Physical Review Letters, 2016, 117, 023601.	7.8	45
92	Noninvasive, near-field terahertz imaging of hidden objects using a single-pixel detector. Science Advances, 2016, 2, e1600190.	10.3	336
93	Single-pixel three-dimensional imaging with time-based depth resolution. Nature Communications, 2016, 7, 12010.	12.8	382
94	Non-diffractive computational ghost imaging. Optics Express, 2016, 24, 14172.	3.4	26
95	Photon-sparse microscopy: Trans-wavelength ghost imaging. Proceedings of SPIE, 2016, , .	0.8	0
96	On the natures of the spin and orbital parts of optical angular momentum. Journal of Optics (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	127
97	Fast Compressive 3D Single-pixel Imaging. , 2016, , .		1
98	First-Photon 3D Imaging with a Single-Pixel Camera. , 2016, , .		1
99	Long Distance Free-Space Propagation of light carrying Orbital Angular Momentum. , 2016, , .		1
100	Quantum Information with Structured Light. , 2016, , .		0
101	Phase-contrast ghost imaging using an orbital angular momentum phase-filter. , 2016, , .		0
102	Computational imaging with adaptive spatially-variable resolution. , 2016, , .		0
103	â€˜Lissajous-likeâ€™ trajectories in optical tweezers. Optics Express, 2015, 23, 31716.	3.4	2
104	Optically Induced Forces Imposed in an Optical Funnel on a Stream of Particles in Air or Vacuum. Physical Review Applied, 2015, 4, .	3.8	37
105	Simultaneous real-time visible and infrared video with single-pixel detectors. Scientific Reports, 2015, 5, 10669.	3.3	224
106	Photon-sparse microscopy: visible light imaging using infrared illumination. Optica, 2015, 2, 1049.	9.3	109
107	Reducing the Free-Space Group Velocity of Single Photons by Transverse Structuring. , 2015, , .		0
108	Generalized photon sieves: fine control of complex fields with simple pinhole arrays. Optica, 2015, 2, 1028.	9.3	33

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109	Precision Assembly of Complex Cellular Microenvironments using Holographic Optical Tweezers. Scientific Reports, 2015, 5, 8577.	3.3	88
110	Light's twist. , 2015, , .		0
111	Imaging with a small number of photons. Nature Communications, 2015, 6, 5913.	12.8	327
112	Spatially structured photons that travel in free space slower than the speed of light. Science, 2015, 347, 857-860.	12.6	124
113	Near video-rate linear Stokes imaging with single-pixel detectors. Journal of Optics (United Kingdom), 2015, 17, 025705.	2.2	43
114	High-dimensional quantum cryptography with twisted light. New Journal of Physics, 2015, 17, 033033.	2.9	475
115	A fast 3D reconstruction system with a low-cost camera accessory. Scientific Reports, 2015, 5, 10909.	3.3	28
116	Discrete emitters as a source of orbital angular momentum. Journal of Optics (United Kingdom), 2015, 17, 045608.	2.2	18
117	Divergence of an orbital-angular-momentum-carrying beam upon propagation. New Journal of Physics, 2015, 17, 023011.	2.9	215
118	Development of a 3D printer using scanning projection stereolithography. Scientific Reports, 2015, 5, 9875.	3.3	145
119	Fabricating microscopic tools: towards optically actuated micro-robotics. Proceedings of SPIE, 2015, , .	0.8	2
120	Slow light in ruby: delaying energy beyond the input pulse. , 2015, , .		2
121	Study of Turbulence Induced Orbital Angular Momentum Channel Crosstalk in a 1.6km Free-Space Optical Link. , 2015, , .		5
122	Hydrodynamic Interactions in Driven Systems. , 2015, , .		0
123	Optically controlled hydrodynamic micro-manipulation. , 2015, , .		1
124	Toward steering a jet of particles into an x-ray beam with optically induced forces. , 2015, , .		0
125	Trans-spectral Ghost Microscopy. , 2015, , .		0
126	Experiment Turbulence Compensation of 50-Gbaud/s Orbital-Angular-Momentum QPSK Signals Using Intensity-only based SPGD Algorithm. , 2014, , .		0

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127	Optically Trapped Bacteria Pairs Reveal Discrete Motile Response to Control Aggregation upon Cell-Cell Approach. <i>Current Microbiology</i> , 2014, 69, 669-674.	2.2	15
128	Experimental demonstration of 16 Gbit/s millimeter-wave communications using MIMO processing of 2 OAM modes on each of two transmitter/receiver antenna apertures. , 2014, , .		17
129	Light's twist. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20140633.	2.1	38
130	100-Tbit/s free-space data link enabled by three-dimensional multiplexing of orbital angular momentum, polarization, and wavelength. <i>Optics Letters</i> , 2014, 39, 197.	3.3	443
131	Interference of probability amplitudes: a simple demonstration within the Hong-Ou-Mandel experiment. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 032002.	2.2	3
132	Practical bound for dimensionality in high-dimensional entanglement. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6122-6123.	7.1	1
133	Experimental investigation of the transient dynamics of slow light in ruby. <i>New Journal of Physics</i> , 2014, 16, 123054.	2.9	14
134	Limitations to the determination of a Laguerre-Gauss spectrum via projective, phase-flattening measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, A20.	2.1	82
135	Nanoarrays for the generation of complex optical wave-forms. , 2014, , .		1
136	3D computational ghost imaging. , 2014, , .		4
137	A Quasi-Optical Tool for the Demultiplexing of Orbital Angular Momentum Carried at Millimeter-Wave Frequencies. , 2014, , .		0
138	High-Dimensional Mutually Unbiased Bases for Quantum State Tomography, Quantum Key Distribution and Other Applications. , 2014, , .		0
139	High-dimensional Quantum Key Distribution with Photonic Orbital Angular Momentum. , 2014, , .		0
140	Reply to Comment on "Evidence of slow-light effects from rotary drag of structured beams". <i>New Journal of Physics</i> , 2014, 16, 038002.	2.9	2
141	Single-pixel infrared and visible microscope. <i>Optica</i> , 2014, 1, 285.	9.3	300
142	Tunable orbital angular momentum mode filter based on optical geometric transformation. <i>Optics Letters</i> , 2014, 39, 1689.	3.3	23
143	Observation of the rotational Doppler shift of a white-light, orbital-angular-momentum-carrying beam backscattered from a rotating body. <i>Optica</i> , 2014, 1, 1.	9.3	138
144	Dynamic stereo microscopy for studying particle sedimentation. <i>Optics Express</i> , 2014, 22, 4671.	3.4	25

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145	Mechanical Faraday effect for orbital angular momentum-carrying beams. Optics Express, 2014, 22, 11690.	3.4	16
146	Four-directional stereo-microscopy for 3D particle tracking with real-time error evaluation. Optics Express, 2014, 22, 18662.	3.4	9
147	Demonstration of 8-mode 32-Cbit/s millimeter-wave free-space communication link using 4 orbital-angular-momentum modes on 2 polarizations. , 2014, , .		11
148	High-capacity millimetre-wave communications with orbital angular momentum multiplexing. Nature Communications, 2014, 5, 4876.	12.8	972
149	Observation of the rotational Doppler effect from an optically trapped micro-particle. Proceedings of SPIE, 2014, , .	0.8	1
150	Encoding mutually unbiased bases in orbital angular momentum for quantum key distribution. Proceedings of SPIE, 2014, , .	0.8	0
151	Light's twist: Optical angular momentum. , 2014, , .		0
152	Entropic uncertainty minimum for angle and angular momentum. Journal of Optics (United Kingdom), 2014, 16, 105404.	2.2	0
153	Optical angular momentum in a rotating frame. Optics Letters, 2014, 39, 2944.	3.3	26
154	Orbital-Angular-Momentum Mode (De)Multiplexer: A Single Optical Element for MIMO-based and non-MIMO-based Multimode Fiber Systems. , 2014, , .		10
155	Quad stereo-microscopy. , 2014, , .		0
156	“Red Tweezers”: Fast, customisable hologram generation for optical tweezers. Computer Physics Communications, 2014, 185, 268-273.	7.5	88
157	Self-healing of quantum entanglement after an obstruction. Nature Communications, 2014, 5, 3248.	12.8	127
158	Exploring the quantum nature of the radial degree of freedom of a photon via Hong-Ou-Mandel interference. Physical Review A, 2014, 89, .	2.5	85
159	Direct measurement of a 27-dimensional orbital-angular-momentum state vector. Nature Communications, 2014, 5, 3115.	12.8	187
160	Experimental demonstration of Klyshko’s advanced-wave picture using a coincidence-count based, camera-enabled imaging system. Journal of Modern Optics, 2014, 61, 547-551.	1.3	21
161	Interface between path and orbital angular momentum entanglement for high-dimensional photonic quantum information. Nature Communications, 2014, 5, 4502.	12.8	148
162	Shape-induced force fields in optical trapping. Nature Photonics, 2014, 8, 400-405.	31.4	132

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163	Adaptive optics compensation of multiple orbital angular momentum beams propagating through emulated atmospheric turbulence. Optics Letters, 2014, 39, 2845.	3.3	138
164	Rotational Doppler velocimetry to probe the angular velocity of spinning microparticles. Physical Review A, 2014, 90, .	2.5	54
165	A new twist on the Doppler shift. Physics Today, 2014, 67, 58-59.	0.3	18
166	Recovery of quantum-entanglement after encountering an obstruction. , 2014, , .		0
167	Entangled Bessel beams. , 2014, , .		0
168	Photon-sparse heralded imaging. Proceedings of SPIE, 2014, , .	0.8	0
169	Experimental Analysis of Multiplexing/demultiplexing Laguerre Gaussian Beams with Different Radial Index. , 2014, , .		2
170	1-Tbit/s Orbital-Angular-Momentum Multiplexed Link Through Emulated Turbulence With a Data-Carrying Beacon on a Separate Wavelength for Compensation. , 2014, , .		0
171	Photon Sparse Imaging. , 2014, , .		0
172	Orbital Angular Momentum: Testbed for Quantum Mechanics. , 2014, , 159-171.		0
173	Measuring nanoparticle flow with the image structure function. Lab on A Chip, 2013, 13, 2359.	6.0	11
174	Higher-dimensional orbital-angular-momentum-based quantum key distribution with mutually unbiased bases. Physical Review A, 2013, 88, .	2.5	264
175	Two-photon optics of Bessel-Gaussian modes. Physical Review A, 2013, 88, .	2.5	38
176	Multimode Communications Using Orbital Angular Momentum. , 2013, , 569-615.		15
177	Evidence of slow-light effects from rotary drag of structured beams. New Journal of Physics, 2013, 15, 083020.	2.9	12
178	Detection of a Spinning Object Using Light's Orbital Angular Momentum. Science, 2013, 341, 537-540.	12.6	796
179	Spatial light modulation for improved microscope stereo vision and 3D tracking. , 2013, , .		0
180	Analysis of aperture size for partially receiving and de-multiplexing 100-Gbit/s optical orbital angular momentum channels over free-space link. , 2013, , .		1

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181	Efficient sorting of Bessel beams. <i>Optics Express</i> , 2013, 21, 165.	3.4	61
182	Optical trapping and binding. <i>Reports on Progress in Physics</i> , 2013, 76, 026401.	20.1	242
183	Efficient measurement of an optical orbital-angular-momentum spectrum comprising more than 50 states. <i>New Journal of Physics</i> , 2013, 15, 013024.	2.9	80
184	High-Speed AFM with a Light Touch. <i>Biophysical Journal</i> , 2013, 104, 386a.	0.5	0
185	Optical Trapping at Gigapascal Pressures. <i>Physical Review Letters</i> , 2013, 110, 095902.	7.8	21
186	Characterization of High-Dimensional Entangled Systems via Mutually Unbiased Measurements. <i>Physical Review Letters</i> , 2013, 110, 143601.	7.8	83
187	3D Computational Imaging with Single-Pixel Detectors. <i>Science</i> , 2013, 340, 844-847.	12.6	688
188	Multi-wavelength compressive computational ghost imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	9
189	Optical Activity in Twisted Solid-Core Photonic Crystal Fibers. <i>Physical Review Letters</i> , 2013, 110, 143903.	7.8	94
190	Light in a twist: optical angular momentum. , 2013, , .		5
191	Optical tweezing at extremes. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
192	Observation of slowed light through a ruby window. , 2013, , .		0
193	100 Tbit/s Free-Space Data Link using Orbital Angular Momentum Mode Division Multiplexing Combined with Wavelength Division Multiplexing. , 2013, , .		22
194	Differential Computational Ghost Imaging. , 2013, , .		10
195	3-Dimensional Computational Ghost Imaging. , 2013, , .		1
196	A multi-modal stereo microscope based on a spatial light modulator. <i>Optics Express</i> , 2013, 21, 16541.	3.4	29
197	Fast full-color computational imaging with single-pixel detectors. <i>Optics Express</i> , 2013, 21, 23068.	3.4	226
198	The influence of non-imaging detector design on heralded ghost-imaging and ghost-diffraction examined using a triggered ICCD camera. <i>Optics Express</i> , 2013, 21, 30460.	3.4	34

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199	Reconfigurable orbital angular momentum and polarization manipulation of 100 Gbit/s QPSK data channels. Optics Letters, 2013, 38, 5240.	3.3	13
200	Optically trapped and driven paddle-wheel. New Journal of Physics, 2013, 15, 063016.	2.9	34
201	Tailored two-photon correlation and fair-sampling: a cautionary tale. New Journal of Physics, 2013, 15, 083047.	2.9	17
202	3D computational ghost imaging. Proceedings of SPIE, 2013, , .	0.8	4
203	A multi-object spectral imaging instrument. Journal of Optics (United Kingdom), 2013, 15, 085302.	2.2	8
204	Fashioning microscopic tools. Proceedings of SPIE, 2013, , .	0.8	2
205	Speeding up liquid crystal SLMs using overdrive with phase change reduction. Optics Express, 2013, 21, 1779.	3.4	91
206	3D Computational Ghost Imaging. , 2013, , .		0
207	Theory of optical activity in twisted photonic crystal fibers. , 2013, , .		1
208	Optimizing the use of detector arrays for measuring intensity correlations of photon pairs. Physical Review A, 2013, 88, .	2.5	20
209	Laser Tweezers and applications: Short course. , 2013, , .		0
210	EPR-based ghost imaging using a single-photon-sensitive camera. New Journal of Physics, 2013, 15, 073032.	2.9	120
211	Reconfigurable orbital-angular-momentum manipulation and switching of polarization-multiplexed 100-Gbit/s QPSK data channels. , 2013, , .		0
212	Atmospheric turbulence effects on the performance of a free space optical link employing orbital angular momentum multiplexing. Optics Letters, 2013, 38, 4062.	3.3	233
213	Down-converted bi-photons in a Bessel-Gaussian basis. , 2013, , .		0
214	Techniques to sort Bessel beams. Proceedings of SPIE, 2013, , .	0.8	0
215	Implementing optical tweezers at high pressure in a diamond anvil cell. Proceedings of SPIE, 2013, , .	0.8	0
216	The measurement and generation of orbital angular momentum using an optical geometric transformation. , 2013, , .		5

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217	Tunable Filter for Orbital-Angular-Momentum Multiplexed Optical Channels. , 2013, , .		0
218	Fashioning Microscopic Tools. , 2013, , .		0
219	Experimental Turbulence Effects on Crosstalk and System Power Penalty over a Free Space Optical Communication Link using Orbital Angular Momentum Multiplexing. , 2013, , .		1
220	Simultaneous Pre-and Post-Turbulence Compensation of Multiple Orbital-Angular-Momentum 100-Gbit/s Data Channels in a Bidirectional Link Using a Single Adaptive-Optics System. , 2013, , .		1
221	Detection of a spinning object using lights orbital angular momentum. , 2013, , .		0
222	3D Computational Ghost Imaging. , 2013, , .		0
223	Increasing the orbital angular momentum bandwidth of entangled photons. , 2012, , .		0
224	Determining the dimensionality of bipartite orbital-angular-momentum entanglement using multi-sector phase masks. New Journal of Physics, 2012, 14, 073046.	2.9	16
225	Expanding the toolbox for nanoparticle trapping and spectroscopy with holographic optical tweezers. Journal of Optics (United Kingdom), 2012, 14, 045003.	2.2	17
226	Pancharatnam-Berry phase and Hall effect of Vector Light Beams. , 2012, , .		0
227	Influence of atmospheric turbulence on states of light carrying orbital angular momentum. Optics Letters, 2012, 37, 3735.	3.3	192
228	Direct Measurement of the Quantum Wavefunction using Weak Measurements in Orbital Angular Momentum. , 2012, , .		0
229	Touching the micron. , 2012, , .		0
230	Refractive elements for the measurement of the orbital angular momentum of a single photon. Optics Express, 2012, 20, 2110.	3.4	214
231	Optical shield: measuring viscosity of turbid fluids using optical tweezers. Optics Express, 2012, 20, 12127.	3.4	11
232	Influence of atmospheric turbulence on optical communications using orbital angular momentum for encoding. Optics Express, 2012, 20, 13195.	3.4	272
233	Entangled Bessel-Gaussian beams. Optics Express, 2012, 20, 23589.	3.4	112
234	Mechanically induced image rotation: analogy of the Faraday effect for orbital angular momentum. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
235	Normalized ghost imaging. <i>Optics Express</i> , 2012, 20, 16892.	3.4	305
236	Quantum correlations in position, momentum, and intermediate bases for a full optical field of view. <i>Physical Review A</i> , 2012, 85, .	2.5	16
237	An optically actuated surface scanning probe. <i>Optics Express</i> , 2012, 20, 29679.	3.4	78
238	A compact holographic optical tweezers instrument. <i>Review of Scientific Instruments</i> , 2012, 83, 113107.	1.3	35
239	Force sensing with a shaped dielectric micro-tool. <i>Europhysics Letters</i> , 2012, 99, 58004.	2.0	43
240	Photon orbital angular momentum: generation, measurement and application to QKD. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
241	Non-spherical optically trapped probes: design, control, and applications. , 2012, , .		1
242	High-dimensional spatial entanglement observed with an electron multiplying CCD camera. , 2012, , .		0
243	Quantum correlations in position, momentum and intermediate bases, measured using fiber arrays. , 2012, , .		0
244	Measuring Light's Twist. , 2012, , .		0
245	Titelbild: Directed Assembly of Inorganic Polyoxometalate-based Micrometer-Scale Tubular Architectures by Using Optical Control (<i>Angew. Chem.</i> 51/2012). <i>Angewandte Chemie</i> , 2012, 124, 12799-12799.	2.0	0
246	Directed Assembly of Inorganic Polyoxometalate-based Micrometer-Scale Tubular Architectures by Using Optical Control. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12754-12758.	13.8	27
247	Increasing the dimension in high-dimensional two-photon orbital angular momentum entanglement. <i>Physical Review A</i> , 2012, 86, .	2.5	90
248	Partial Synchronization of Stochastic Oscillators through Hydrodynamic Coupling. <i>Physical Review Letters</i> , 2012, 108, 240601.	7.8	26
249	Optical tweezers: a light touch. <i>Journal of Microscopy</i> , 2012, 248, 219-222.	1.8	18
250	The efficient sorting of light's orbital angular momentum for optical communications. , 2012, , .		7
251	Imaging high-dimensional spatial entanglement with a camera. <i>Nature Communications</i> , 2012, 3, 984.	12.8	200
252	Orbital angular momentum correlations with a phase-flipped Gaussian mode pump beam. <i>Journal of Optics (United Kingdom)</i> , 2012, 14, 085401.	2.2	25

#	ARTICLE	IF	CITATIONS
253	Bounds and optimisation of orbital angular momentum bandwidths within parametric down-conversion systems. <i>European Physical Journal D</i> , 2012, 66, 1.	1.3	22
254	Slow Darkness and Rotary Photon Drag. , 2012, , .		0
255	Orbital Angular Momentum. , 2012, , 3-12.		0
256	Knotted and tangled threads of darkness in light beams. <i>Contemporary Physics</i> , 2011, 52, 265-279.	1.8	21
257	Surface imaging using holographic optical tweezers. <i>Nanotechnology</i> , 2011, 22, 285503.	2.6	76
258	Demonstration of the angular uncertainty principle for single photons. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 044023.	2.2	16
259	Entangled Optical Vortex Links. <i>Physical Review Letters</i> , 2011, 106, 100407.	7.8	55
260	Robust interferometer for the routing of light beams carrying orbital angular momentum. <i>New Journal of Physics</i> , 2011, 13, 093014.	2.9	52
261	Optimizing the optical trapping stiffness of holographically trapped microrods using high-speed video tracking. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 044023.	2.2	40
262	Orbital angular momentum: origins, behavior and applications. <i>Advances in Optics and Photonics</i> , 2011, 3, 161.	25.5	2,457
263	Single-photon position to time multiplexing using a fiber array. <i>Optics Express</i> , 2011, 19, 2670.	3.4	8
264	Position clamping in a holographic counterpropagating optical trap. <i>Optics Express</i> , 2011, 19, 9908.	3.4	38
265	Position clamping of optically trapped microscopic non-spherical probes. <i>Optics Express</i> , 2011, 19, 20622.	3.4	35
266	Holographic aberration correction: optimising the stiffness of an optical trap deep in the sample. <i>Optics Express</i> , 2011, 19, 24589.	3.4	21
267	Measuring orbital angular momentum superpositions of light by mode transformation. <i>Optics Letters</i> , 2011, 36, 1863.	3.3	73
268	Holographic optical tweezers and their relevance to lab on chip devices. <i>Lab on A Chip</i> , 2011, 11, 1196.	6.0	223
269	Full-Field Quantum Correlations with Multi-Pixel Detectors. , 2011, , .		0
270	Tweezers with a twist. <i>Nature Photonics</i> , 2011, 5, 343-348.	31.4	1,678

#	ARTICLE	IF	CITATIONS
271	Experimental high-dimensional two-photon entanglement and violations of generalized Bell inequalities. Nature Physics, 2011, 7, 677-680.	16.7	528
272	Rotary Photon Drag Enhanced by a Slow-Light Medium. Science, 2011, 333, 65-67.	12.6	100
273	Optimisation of a low cost SLM for diffraction efficiency and ghost order suppression. European Physical Journal: Special Topics, 2011, 199, 149-158.	2.6	37
274	Efficient generation of Bessel beam arrays by means of an SLM. European Physical Journal: Special Topics, 2011, 199, 159-166.	2.6	46
275	Measuring the orbital angular moment of light with high optical efficiency. , 2011, , .		0
276	Holographic control and high-speed imaging for studies of hydrodynamic coupling on a micron scale. , 2011, , .		0
277	Full-field quantum measurements and holographic ghost imaging. , 2011, , .		0
278	iTweezers: optical micromanipulation controlled by an Apple iPad. Journal of Optics (United Kingdom), 2011, 13, 044002.	2.2	37
279	Optical tweezers: wideband microrheology. Journal of Optics (United Kingdom), 2011, 13, 044022.	2.2	65
280	Measurement of the light orbital angular momentum spectrum using an optical geometric transformation. Journal of Optics (United Kingdom), 2011, 13, 064006.	2.2	103
281	Stereoscopic particle tracking for 3D touch, vision and closed-loop control in optical tweezers. Journal of Optics (United Kingdom), 2011, 13, 044003.	2.2	39
282	Investigating the interaction forces between T cells and antigen-presenting cells using an optical trapping system. Proceedings of SPIE, 2011, , .	0.8	1
283	Surface imaging using optically controlled microrods. , 2011, , .		1
284	Measuring the orbital angular momentum of light. Proceedings of SPIE, 2011, , .	0.8	2
285	Holographic tweezers: a platform for plasmonics. , 2011, , .		3
286	iTweezers: from toy to tool. , 2011, , .		0
287	Investigating the entanglement structure of down-converted photon pairs. , 2011, , .		0
288	Efficient measurement of orbital angular momentum using refractive optical elements. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
289	Mechanically induced image rotation: analogy of the Faraday effect for Orbital Angular Momentum. , 2011, , .		0
290	Spatial Light Modulators: Single-Photon, Spatial-Mode Analyzers. , 2011, , .		0
291	Quantum Description of the Angular Coordinate and Angular Momentum. , 2011, , .		0
292	Influence of atmospheric turbulence on the propagation of quantum states of light using spatial mode encoding. , 2011, , .		0
293	Quantum imaging and orbital angular momentum. , 2010, , .		1
294	Violation of Leggett inequalities in orbital angular momentum subspaces. New Journal of Physics, 2010, 12, 123007.	2.9	31
295	High-dimensional quantum nature of ghost angular Young's diffraction. Physical Review A, 2010, 82, .	2.5	16
296	Real time characterization of hydrodynamics in optically trapped networks of micro-particles. Journal of Biophotonics, 2010, 3, 244-251.	2.3	13
297	Penetrating scattering media. Nature Photonics, 2010, 4, 741-742.	31.4	1
298	Isolated optical vortex knots. Nature Physics, 2010, 6, 118-121.	16.7	361
299	Calibration of optically trapped nanotools. Nanotechnology, 2010, 21, 175501.	2.6	35
300	An SLM-based Shack-Hartmann wavefront sensor for aberration correction in optical tweezers. Journal of Optics (United Kingdom), 2010, 12, 124004.	2.2	65
301	Spin-orbit hybrid entanglement of photons and quantum contextuality. Physical Review A, 2010, 82, .	2.5	145
302	Angular Two-Photon Interference and Angular Two-Qubit States. Physical Review Letters, 2010, 104, 010501.	7.8	38
303	A polyphonic acoustic vortex and its complementary chords. New Journal of Physics, 2010, 12, 023018.	2.9	8
304	Efficient Sorting of Orbital Angular Momentum States of Light. Physical Review Letters, 2010, 105, 153601.	7.8	833
305	Quantum Correlations in Optical Angle-Orbital Angular Momentum Variables. Science, 2010, 329, 662-665.	12.6	508
306	Particle tracking stereomicroscopy in optical tweezers: Control of trap shape. Optics Express, 2010, 18, 11785.	3.4	95

#	ARTICLE	IF	CITATIONS
307	Mathieu beams as versatile light moulds for 3D micro particle assemblies. Optics Express, 2010, 18, 26084.	3.4	70
308	Measuring storage and loss moduli using optical tweezers: Broadband microrheology. Physical Review E, 2010, 81, 026308.	2.1	75
309	Entanglement of arbitrary superpositions of modes within two-dimensional orbital angular momentum state spaces. Physical Review A, 2010, 81, .	2.5	64
310	Entangled Tangles of Phase Singularities. , 2010, , .		0
311	Spatial Light Modulators: A Tool for Measuring the Quantum Entanglement of Spatial Modes. , 2010, , .		0
312	Sorting Optical Angular Momentum States Based on a Geometric Transformation. , 2010, , .		0
313	Assembly and force measurement with SPM-like probes in holographic optical tweezers. New Journal of Physics, 2009, 11, 023012.	2.9	55
314	The nano-world at your fingertips. Proceedings of SPIE, 2009, , .	0.8	0
315	A comprehensive software suite for optical trapping and manipulation. , 2009, , .		3
316	Sensing interactions in the microworld with optical tweezers. , 2009, , .		0
317	Using holographic optical tweezers to measure forces with SPM-like probes. , 2009, , .		0
318	Measuring droplet properties through passive microrheology in optical tweezers. Proceedings of SPIE, 2009, , .	0.8	0
319	Underdamped modes in a hydrodynamically coupled microparticle system. New Journal of Physics, 2009, 11, 053007.	2.9	13
320	Droplets set light in a spin. Nature, 2009, 461, 600-601.	27.8	1
321	Optical trapping studies of colloidal interactions in liquid films. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 343, 133-136.	4.7	3
322	Precise quantum tomography of photon pairs with entangled orbital angular momentum. New Journal of Physics, 2009, 11, 103024.	2.9	81
323	Using holographic optical tweezers to measure forces with AFM-like probes. , 2009, , .		0
324	Hands-on with optical tweezers: a multitouch interface for holographic optical trapping. Optics Express, 2009, 17, 3595.	3.4	55

#	ARTICLE	IF	CITATIONS
325	Violation of a Bell inequality in two-dimensional orbital angular momentum state-spaces. Optics Express, 2009, 17, 8287.	3.4	155
326	Touching the microworld with force-feedback optical tweezers. Optics Express, 2009, 17, 10259.	3.4	72
327	Increasing trap stiffness with position clamping in holographic optical tweezers. Optics Express, 2009, 17, 22718.	3.4	79
328	Holographic Ghost Imaging and the Violation of a Bell Inequality. Physical Review Letters, 2009, 103, 083602.	7.8	181
329	Microrheology with optical tweezers. Lab on A Chip, 2009, 9, 2568.	6.0	138
330	Methodology for imaging the 3D structure of singularities in scalar and vector optical fields. Journal of Optics, 2009, 11, 094020.	1.5	21
331	Multipoint viscosity measurements in microfluidic channels using optical tweezers. Lab on A Chip, 2009, 9, 2059.	6.0	35
332	Topology of Light's Darkness. Physical Review Letters, 2009, 102, 143902.	7.8	62
333	Comparison of FaxÅ©n's correction for a microsphere translating or rotating near a surface. Physical Review E, 2009, 79, 026301.	2.1	137
334	Manipulation of live mouse embryonic stem cells using holographic optical tweezers. Journal of Modern Optics, 2009, 56, 448-452.	1.3	18
335	Chapter 5 Singular Optics: Optical Vortices and Polarization Singularities. Progress in Optics, 2009, 53, 293-363.	0.6	576
336	Angular diffraction. Proceedings of SPIE, 2009, , .	0.8	4
337	Continuous variable EPR paradox for angle and orbital angular momentum. , 2009, , .		0
338	Holographic Ghost Imaging. , 2009, , .		0
339	Spatial Light Modulators to Measure Entanglement Between Spatial States. , 2009, , .		0
340	High-Speed Camera Particle Tracking and Force Measurement, with Real-Time Haptic Feedback. , 2009, , .		2
341	Advances in optical angular momentum. Laser and Photonics Reviews, 2008, 2, 299-313.	8.7	792
342	High throughput diffractive multi-beam femtosecond laser processing using a spatial light modulator. Applied Surface Science, 2008, 255, 2284-2289.	6.1	120

#	ARTICLE	IF	CITATIONS
343	Fractality of Light's Darkness. Physical Review Letters, 2008, 100, 053902.	7.8	86
344	Introduction to Phase-Structured Electromagnetic Waves. , 2008, , 1-17.		4
345	Rotation of Particles in Optical Tweezers. , 2008, , 237-248.		3
346	3D Mapping of Microfluidic Flow in Laboratory-on-a-Chip Structures Using Optical Tweezers. Analytical Chemistry, 2008, 80, 4237-4240.	6.5	21
347	Light beams with fractional orbital angular momentum and their vortex structure. Optics Express, 2008, 16, 993.	3.4	194
348	Transfer of orbital angular momentum from a super-continuum, white-light beam. Optics Express, 2008, 16, 9495.	3.4	34
349	Constructing 3D crystal templates for photonic band gap materials using holographic optical tweezers. Optics Express, 2008, 16, 13005.	3.4	39
350	Measuring the accuracy of particle position and force in optical tweezers using high-speed video microscopy. Optics Express, 2008, 16, 14561.	3.4	199
351	Independent polarisation control of multiple optical traps. Optics Express, 2008, 16, 15897.	3.4	56
352	Three-dimensional parallel holographic micropatterning using a spatial light modulator. Optics Express, 2008, 16, 15942.	3.4	77
353	On diffraction within a dielectric medium as an example of the Minkowski formulation of optical momentum. Optics Express, 2008, 16, 20864.	3.4	28
354	Detection of mucosal abnormalities in patients with oral cancer using a photodynamic technique: A pilot study. British Journal of Oral and Maxillofacial Surgery, 2008, 46, 6-10.	0.8	5
355	Fourier relationship between the angle and angular momentum of entangled photons. Physical Review A, 2008, 78, .	2.5	56
356	On the focussing of light, as limited by the uncertainty principle. Journal of Modern Optics, 2008, 55, 3083-3089.	1.3	9
357	A spatial light phase modulator with an effective resolution of 4 mega-pixels. Journal of Modern Optics, 2008, 55, 2945-2951.	1.3	5
358	An acoustic spanner and its associated rotational Doppler shift. New Journal of Physics, 2008, 10, 013018.	2.9	108
359	Breath ethane peaks during a single haemodialysis session and is associated with time on dialysis. Journal of Breath Research, 2008, 2, 026004.	3.0	12
360	Construction and manipulation of structures using optical tweezers. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
361	Fabrication of photonic crystal templates using holographic optical tweezers and adhesion via entropic attraction. Proceedings of SPIE, 2008, , .	0.8	0
362	Optically driven pumps and flow sensors for microfluidic systems. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 829-837.	2.1	12
363	Angular diffraction. New Journal of Physics, 2008, 10, 103013.	2.9	142
364	Holographic assembly workstation for optical manipulation. Journal of Optics, 2008, 10, 044009.	1.5	46
365	Hydrodynamic interactions in two dimensions. Physical Review E, 2008, 78, 031406.	2.1	40
366	Polarization Singularities in 2D and 3D Speckle Fields. Physical Review Letters, 2008, 100, 203902.	7.8	106
367	“Aether Drag” and Moving Images. Physical Review Letters, 2008, 100, 153902.	7.8	34
368	The fractal shape of speckled darkness. , 2008, , .		3
369	Tiny Hands for Light Work: A Fingertip Interface for Holographic Optical Tweezers. , 2008, , .		0
370	Fourier Relationship Between Angular Position and Orbital Angular Momentum of Entangled Photons. , 2008, , .		0
371	The Hunt for Vortex Knots in 3D Speckle Fields. , 2008, , .		0
372	Optical vortices and topology. , 2007, , CMI33.		0
373	Optically controlled, holographic micro-hand. , 2007, , .		0
374	Fabrication of terahertz holograms. Journal of Vacuum Science & Technology B, 2007, 25, 2329.	1.3	2
375	Optically controlled grippers for manipulating micron-sized particles. New Journal of Physics, 2007, 9, 14-14.	2.9	24
376	Parametric Resonance of Optically Trapped Aerosols. Physical Review Letters, 2007, 99, 010601.	7.8	60
377	Eigenmodes of a hydrodynamically coupled micron-size multiple-particle ring. Physical Review E, 2007, 76, 061402.	2.1	47
378	Portable optical spectroscopy for accurate analysis of ethane in exhaled breath. Measurement Science and Technology, 2007, 18, 1459-1464.	2.6	27

#	ARTICLE	IF	CITATIONS
379	Dynamic study of oxidative stress in renal dialysis patients based on breath ethane measured by optical spectroscopy. <i>Journal of Breath Research</i> , 2007, 1, 026005.	3.0	21
380	Optical ferris wheel for ultracold atoms. <i>Optics Express</i> , 2007, 15, 8619.	3.4	300
381	The effect of external forces on discrete motion within holographic optical tweezers. <i>Optics Express</i> , 2007, 15, 18268.	3.4	23
382	Equivalent geometric transformations for spin and orbital angular momentum of light. <i>Journal of Modern Optics</i> , 2007, 54, 487-491.	1.3	38
383	Fluorescence induced by aminolevulinic acid and methyl aminolevulinate on normal skin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2007, 4, 224-229.	2.6	9
384	On the dragging of light by a rotating medium. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2007, 463, 2185-2194.	2.1	31
385	Comparison of a high-speed camera and a quadrant detector for measuring displacements in optical tweezers. <i>Journal of Optics</i> , 2007, 9, S264-S266.	1.5	95
386	All-fibre design. <i>Nature Photonics</i> , 2007, 1, 688-689.	31.4	3
387	An improved algorithm for locating a gas source using inverse methods. <i>Atmospheric Environment</i> , 2007, 41, 1128-1134.	4.1	106
388	Moving images - are they laterally displaced by transmission through a stationary glass window?. , 2007, , .		0
389	An optically driven pump for microfluidics. <i>Lab on A Chip</i> , 2006, 6, 735.	6.0	199
390	Characterisation of spatial and temporal changes in pH gradients in microfluidic channels using optically trapped fluorescent sensors. <i>Lab on A Chip</i> , 2006, 6, 788.	6.0	50
391	Polarization and image rotation induced by a rotating dielectric rod: an optical angular momentum interpretation. <i>Optics Letters</i> , 2006, 31, 2205.	3.3	50
392	Dynamic closed-loop system for focus tracking using a spatial light modulator and a deformable membrane mirror. <i>Optics Express</i> , 2006, 14, 222.	3.4	27
393	Topology of optical vortex lines formed by the interference of three, four, and five plane waves. <i>Optics Express</i> , 2006, 14, 3039.	3.4	158
394	Aberration correction in holographic optical tweezers. <i>Optics Express</i> , 2006, 14, 4169.	3.4	85
395	Aberration correction in holographic optical tweezers. <i>Optics Express</i> , 2006, 14, 4170.	3.4	54
396	Generation of achromatic Bessel beams using a compensated spatial light modulator. <i>Optics Express</i> , 2006, 14, 5581.	3.4	92

#	ARTICLE	IF	CITATIONS
397	Fourier relationship between angular position and optical orbital angular momentum. Optics Express, 2006, 14, 9071.	3.4	148
398	Direct measurement of the skew angle of the Poynting vector in a helically phased beam. Optics Express, 2006, 14, 11919.	3.4	131
399	An optical trapped microhand for manipulating micron-sized objects. Optics Express, 2006, 14, 12497.	3.4	75
400	Observation of quantum entanglement using spatial light modulators. Optics Express, 2006, 14, 13089.	3.4	55
401	Interactive approach to optical tweezers control. Applied Optics, 2006, 45, 897.	2.1	137
402	Application of laser spectroscopy for measurement of exhaled ethane in patients with lung cancer. Respiratory Medicine, 2006, 100, 300-306.	2.9	65
403	Illustrations of optical vortices in three dimensions. Journal of the European Optical Society-Rapid Publications, 2006, 1, .	1.9	22
404	An optically driven pump for microfluidics. , 2006, , .		1
405	Optical pumps and sensors for microfluidic devices. , 2006, 6131, 71.		1
406	An optical trapped nanohand for manipulating micron-sized particles. , 2006, , .		0
407	Holographic optical tweezers aberration correction using adaptive optics without a wavefront sensor. , 2006, , .		0
408	Active locking of adaptive optics for improved microscopy. , 2006, , .		0
409	Multipoint holographic optical velocimetry in microfluidic systems. , 2006, , .		0
410	Characteristics of 5-aminolaevulinic acid-induced protoporphyrin IX fluorescence in human skin in vivo. Photodermatology Photoimmunology and Photomedicine, 2006, 22, 105-110.	1.5	36
411	Like a speeding watch. Nature, 2006, 443, 924-925.	27.8	22
412	Modelling and interpretation of gas detection using remote laser pointers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 929-939.	3.9	7
413	Imaging of methane gas using a scanning, open-path laser system. New Journal of Physics, 2006, 8, 26-26.	2.9	19
414	Multipoint Holographic Optical Velocimetry in Microfluidic Systems. Physical Review Letters, 2006, 96, 134502.	7.8	64

#	ARTICLE	IF	CITATIONS
415	THE TOPOLOGY OF VORTEX LINES IN LIGHT BEAMS. , 2006, , .		1
416	The photodynamic detection of mucosal abnormality in oral cancer patients: a pilot study. , 2005, 5691, 159.		0
417	An interactive approach to optical tweezer control. Proceedings of SPIE, 2005, , .	0.8	0
418	A Fine Point on Light's Angular Momentum. Physics Today, 2005, 58, 17-17.	0.3	0
419	Effect of maximal dynamic exercise on exhaled ethane and carbon monoxide levels in human, equine, and canine athletes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2005, 141, 239-246.	1.8	19
420	An open-path, hand-held laser system for the detection of methane gas. Journal of Optics, 2005, 7, S420-S424.	1.5	38
421	The potential offered by real-time, high-sensitivity monitoring of ethane in breath and some pilot studies using optical spectroscopy. Journal of Optics, 2005, 7, S376-S384.	1.5	19
422	Effects of changes to the stable environment on the exhalation of ethane, carbon monoxide and hydrogen peroxide by horses with respiratory inflammation. Veterinary Record, 2005, 157, 408-412.	0.3	14
423	Creating permanent 3D arrangements of isolated cells using holographic optical tweezers. Lab on A Chip, 2005, 5, 1224.	6.0	91
424	Development of high-resolution real-time sub-ppb ethane spectroscopy and some pilot studies in life science. Applied Optics, 2005, 44, 4712.	2.1	27
425	3D interferometric optical tweezers using a single spatial light modulator. Optics Express, 2005, 13, 3777.	3.4	130
426	Surface-enhanced resonance Raman scattering in optical tweezers using co-axial second harmonic generation. Optics Express, 2005, 13, 4148.	3.4	18
427	Red microchip VECSEL array. Optics Express, 2005, 13, 7209.	3.4	20
428	H ₂ S fluxes from Mt. Etna, Stromboli, and Vulcano (Italy) and implications for the sulfur budget at volcanoes. Geochimica Et Cosmochimica Acta, 2005, 69, 1861-1871.	3.9	139
429	Momentum paradox in a vortex core. Journal of Modern Optics, 2005, 52, 1135-1144.	1.3	15
430	Vortex knots in light. New Journal of Physics, 2005, 7, 55-55.	2.9	214
431	Observation of Gouy-phase-induced transversal intensity changes in focused beams. Journal of Modern Optics, 2005, 52, 2713-2721.	1.3	6
432	Minimum uncertainty states of angular momentum and angular position. New Journal of Physics, 2005, 7, 62-62.	2.9	33

#	ARTICLE	IF	CITATIONS
433	BREATH ANALYSIS: TAKING THE NEEDLE OUT OF VETERINARY DIAGNOSTICS?. , 2005, , .		1
434	Vortex-Line Shaping. , 2005, , .		0
435	The mechanism for energy transfer in the rotational frequency shift of a light beam. Journal of Optics, 2004, 6, S263-S265.	1.5	24
436	Interferometric Methods to Measure Orbital and Spin, or the Total Angular Momentum of a Single Photon. Physical Review Letters, 2004, 92, 013601.	7.8	297
437	Increasing the data density of free-space optical communications using orbital angular momentum. , 2004, 5550, 367.		24
438	In vivo measurement of 5-aminolaevulinic acid-induced protoporphyrin IX photobleaching: a comparison of red and blue light of various intensities. Photodermatology Photoimmunology and Photomedicine, 2004, 20, 170-174.	1.5	33
439	Knotted threads of darkness. Nature, 2004, 432, 165-165.	27.8	198
440	Visual Observations of SERRS from Single Silver-Coated Silica Microparticles within Optical Tweezers. Angewandte Chemie - International Edition, 2004, 43, 2512-2514.	13.8	18
441	Permanent 3D microstructures in a polymeric host created using holographic optical tweezers. Journal of Modern Optics, 2004, 51, 627-632.	1.3	43
442	Defining the trapping limits of holographical optical tweezers. Journal of Modern Optics, 2004, 51, 409-414.	1.3	77
443	Photodynamic therapy in dermatology: Dundee clinical and research experience. Photodiagnosis and Photodynamic Therapy, 2004, 1, 211-223.	2.6	23
444	Oil and gas prospecting by ultra-sensitive optical gas detection with inverse gas dispersion modelling. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	19
445	Uncertainty principle for angular position and angular momentum. New Journal of Physics, 2004, 6, 103-103.	2.9	219
446	Observation of the vortex structure of a non-integer vortex beam. New Journal of Physics, 2004, 6, 71-71.	2.9	329
447	Light's Orbital Angular Momentum. Physics Today, 2004, 57, 35-40.	0.3	588
448	3D manipulation of particles into crystal structures using holographic optical tweezers. Optics Express, 2004, 12, 220.	3.4	230
449	Interactive application in holographic optical tweezers of a multi-plane Gerchberg-Saxton algorithm for three-dimensional light shaping. Optics Express, 2004, 12, 1665.	3.4	138
450	Free-space information transfer using light beams carrying orbital angular momentum. Optics Express, 2004, 12, 5448.	3.4	2,218

#	ARTICLE	IF	CITATIONS
451	Assembly of 3-dimensional structures using programmable holographic optical tweezers. Optics Express, 2004, 12, 5475.	3.4	175
452	Three-dimensional optical trapping of partially silvered silica microparticles. Optics Letters, 2004, 29, 2488.	3.3	18
453	Three-dimensional structures in optical tweezers. , 2004, , .		1
454	Defining the trapping limits of holographical optical tweezers. Journal of Modern Optics, 2004, 51, 409-414.	1.3	3
455	Smooth Frequency Tuning from Optical Parametric Oscillators: The Transition from Single- to Dual-Cavity Oscillators. , 2004, , .		0
456	Treatment of Grade III Anal Intraepithelial Neoplasia With Photodynamic Therapy. Diseases of the Colon and Rectum, 2003, 46, 1555-1559.	1.3	36
457	Simplified measurement of the orbital angular momentum of single photons. Optics Communications, 2003, 223, 117-122.	2.1	49
458	Classic-fractal eigenmodes of unstable canonical resonators. Optics Communications, 2003, 223, 17-23.	2.1	14
459	A Multimode Fibre-coupled Compact Optical Wavelength Meter based on Wollaston Prisms. Strain, 2003, 39, 107-110.	2.4	1
460	A spectroscopic tool based on an interference filter and birefringent prisms: demonstration of detection of 5-aminolaevulinic acid-induced protoporphyrin IX fluorescence. Journal Physics D: Applied Physics, 2003, 36, 1703-1706.	2.8	4
461	Real-time measurement of volcanic H ₂ S and SO ₂ concentrations by UV spectroscopy. Geophysical Research Letters, 2003, 30, .	4.0	79
462	Optically controlled three-dimensional rotation of microscopic objects. Applied Physics Letters, 2003, 82, 829-831.	3.3	147
463	Performance of a rotating aperture for spinning and orienting objects in optical tweezers. Journal of Modern Optics, 2003, 50, 1533-1538.	1.3	10
464	Optical tweezers in a new light. Journal of Modern Optics, 2003, 50, 1501-1507.	1.3	21
465	The angular momentum of light inside a dielectric. Journal of Modern Optics, 2003, 50, 1555-1562.	1.3	53
466	Observation of the Transfer of the Local Angular Momentum Density of a Multiringed Light Beam to an Optically Trapped Particle. Physical Review Letters, 2003, 91, 093602.	7.8	293
467	Fractals in pixellated video feedback. Contemporary Physics, 2003, 44, 137-143.	1.8	7
468	Observation of chromatic effects near a white-light vortex. New Journal of Physics, 2003, 5, 154-154.	2.9	93

#	ARTICLE	IF	CITATIONS
469	Prospecting for oil with an optical nose. <i>Physics World</i> , 2003, 16, 22-22.	0.0	2
470	The angular momentum of light inside a dielectric. <i>Journal of Modern Optics</i> , 2003, 50, 1555-1562.	1.3	4
471	Preface: Optical tweezers in a new light. <i>Journal of Modern Optics</i> , 2003, 50, 1501-1507.	1.3	23
472	The angular momentum of light: From optical spanners to information transfer. , 2003, , .		0
473	Observation of the simultaneous transfer of the spin and orbital angular momentum of light to an optically trapped particle. , 2003, , .		0
474	Performance of a rotating aperture for spinning and orienting objects in optical tweezers. <i>Journal of Modern Optics</i> , 2003, 50, 1533-1538.	1.3	0
475	A field-portable, laser-diode spectrometer for the ultra-sensitive detection of hydrocarbon gases. <i>Journal of Modern Optics</i> , 2002, 49, 769-776.	1.3	15
476	<title>Compact fluorescence spectroscopic tool for cancer detection</title>. , 2002, 4613, 35.		1
477	Wollaston prism-based digital laser wavelength meter. , 2002, 4653, 141.		0
478	Holographic generation and orbital angular momentum of high-order Mathieu beams. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002, 4, S52-S57.	1.4	135
479	Rotational control within optical tweezers by use of a rotating aperture. <i>Optics Letters</i> , 2002, 27, 743.	3.3	146
480	Why are the eigenmodes of stable laser resonators structurally stable?. <i>Optics Letters</i> , 2002, 27, 1869.	3.3	9
481	Lights, action: Optical tweezers. <i>Contemporary Physics</i> , 2002, 43, 241-258.	1.8	360
482	Orbital angular momentum exchange in cylindrical-lens mode converters. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002, 4, S17-S19.	1.4	83
483	Measuring the Orbital Angular Momentum of a Single Photon. <i>Physical Review Letters</i> , 2002, 88, 257901.	7.8	902
484	Two-photon entanglement of orbital angular momentum states. <i>Physical Review A</i> , 2002, 65, .	2.5	191
485	Intrinsic and Extrinsic Nature of the Orbital Angular Momentum of a Light Beam. <i>Physical Review Letters</i> , 2002, 88, 053601.	7.8	790
486	Entanglement of orbital angular momentum for the signal and idler beams in parametric down-conversion. <i>Journal of Modern Optics</i> , 2002, 49, 777-785.	1.3	23

#	ARTICLE	IF	CITATIONS
487	Endoscopic fluorescence imaging and point spectroscopy system for the detection of gastro-intestinal cancers. <i>Journal of Modern Optics</i> , 2002, 49, 731-741.	1.3	11
488	Mueller matrix error correction for a fringe-free interferometry system. <i>Applied Optics</i> , 2001, 40, 3205.	2.1	0
489	<title>Transfer of orbital angular momentum to metal particles confined using optical tweezers</title>. , 2001, , .		0
490	Fractal generation using optical feedback with incoherent gain. <i>Optics Communications</i> , 2001, 190, 123-127.	2.1	4
491	Axial and lateral trapping efficiency of Laguerreâ€“Gaussian modes in inverted optical tweezers. <i>Optics Communications</i> , 2001, 193, 45-50.	2.1	118
492	The Application of a Compact Multispectral Imaging System with Integrated Excitation Source to In vivo Monitoring of Fluorescence During Topical Photodynamic Therapy of Superficial Skin CancersÂ¶. <i>Photochemistry and Photobiology</i> , 2001, 73, 278-282.	2.5	40
493	Fractals in pixellated video feedback. <i>Nature</i> , 2001, 414, 864-864.	27.8	18
494	Unambiguous interferometric surface profilometry using ferroelectric liquid crystal modulators. <i>Journal of Electronic Imaging</i> , 2001, 10, 263.	0.9	2
495	The Application of a Compact Multispectral Imaging System with Integrated Excitation Source to In vivo Monitoring of Fluorescence During Topical Photodynamic Therapy of Superficial Skin CancersÂ¶. <i>Photochemistry and Photobiology</i> , 2001, 73, 278.	2.5	5
496	The Poynting vector in Laguerreâ€“Gaussian beams and the interpretation of their angular momentum density. <i>Optics Communications</i> , 2000, 184, 67-71.	2.1	241
497	Three-dimensional optical confinement of micron-sized metal particles and the decoupling of the spin and orbital angular momentum within an optical spanner. <i>Optics Communications</i> , 2000, 185, 139-143.	2.1	121
498	Limit to the orbital angular momentum per unit energy in a light beam that can be focussed onto a small particle. <i>Optics Communications</i> , 2000, 173, 269-274.	2.1	52
499	Monitor-Outside-a-Monitor Effect and Self-Similar Fractal Structure in the Eigenmodes of Unstable Optical Resonators. <i>Physical Review Letters</i> , 2000, 85, 5320-5323.	7.8	28
500	Aberrations introduced by a lens made from a birefringent material. <i>Applied Optics</i> , 2000, 39, 592.	2.1	35
501	Generation of a beam with a dark focus surrounded by regions of higher intensity:â€“the optical bottle beam. <i>Optics Letters</i> , 2000, 25, 191.	3.3	415
502	Fluorescence detection of superficial skin cancers. <i>Journal of Modern Optics</i> , 2000, 47, 2021-2027.	1.3	19
503	Generation of self-reproducing fractal patterns using a multiple imaging system with feedback. <i>Journal of Modern Optics</i> , 2000, 47, 1469-1474.	1.3	5
504	Light with a twist in its tail. <i>Contemporary Physics</i> , 2000, 41, 275-285.	1.8	216

#	ARTICLE	IF	CITATIONS
505	<title>Progress in development of an imaging system for fluorescence detection of GI tract cancers</title>., 2000, , .		0
506	Performance of a cylindrical lens mode converter for producing Laguerreâ€“Gaussian laser modes. Optics Communications, 1999, 159, 13-18.	2.1	162
507	The generation of Bessel beams at millimetre-wave frequencies by use of an axicon. Optics Communications, 1999, 170, 213-215.	2.1	116
508	The angular momentum of light: optical spanners and the rotational frequency shift. Optical and Quantum Electronics, 1999, 31, 1-12.	3.3	41
509	A technique for modelling the performance of birefringent wave plates. Optical and Quantum Electronics, 1999, 31, 645-653.	3.3	0
510	Gasoline analysis and brand identification using a static Fourier-transform ultraviolet spectrometer. Journal of Optics, 1999, 1, 680-684.	1.5	10
511	Efficiency of second-harmonic generation with Bessel beams. Physical Review A, 1999, 60, 2438-2441.	2.5	49
512	Parametric down-conversion for light beams possessing orbital angular momentum. Physical Review A, 1999, 59, 3950-3952.	2.5	105
513	Dove prisms and polarized light. Journal of Modern Optics, 1999, 46, 175-179.	1.3	87
514	IV The Orbital Angular Momentum of Light. Progress in Optics, 1999, 39, 291-372.	0.6	856
515	Continuous-wave optical parametric oscillator based on periodically poled KTiOPO_4 and its application to spectroscopy. Optics Letters, 1999, 24, 397.	3.3	36
516	PoincarÃ©-sphere equivalent for light beams containing orbital angular momentum. Optics Letters, 1999, 24, 430.	3.3	355
517	Matrix formulation for the propagation of light beams with orbital and spin angular momenta. Physical Review E, 1999, 60, 7497-7503.	2.1	61
518	Dove prisms and polarized light. Journal of Modern Optics, 1999, 46, 175-179.	1.3	3
519	The production of multiringed Laguerreâ€“Gaussian modes by computer-generated holograms. Journal of Modern Optics, 1998, 45, 1231-1237.	1.3	269
520	Measurement of the Rotational Frequency Shift Imparted to a Rotating Light Beam Possessing Orbital Angular Momentum. Physical Review Letters, 1998, 80, 3217-3219.	7.8	241
521	Rotational Frequency Shift of a Light Beam. Physical Review Letters, 1998, 81, 4828-4830.	7.8	285
522	Transfer of orbital angular momentum from a stressed fiber-optic waveguide to a light beam. Applied Optics, 1998, 37, 469.	2.1	106

#	ARTICLE	IF	CITATIONS
523	Detection of benzene and other gases with an open-path, static Fourier-transform UV spectrometer. Applied Optics, 1998, 37, 3172.	2.1	12
524	Dual-purpose, compact spectrometer and fiber-coupled laser wavemeter based on a Wollaston prism. Applied Optics, 1998, 37, 5777.	2.1	12
525	Application of a continuously tunable, cw optical parametric oscillator for high-resolution spectroscopy. Optics Letters, 1998, 23, 40.	3.3	26
526	Microchip laser-pumped continuous-wave doubly resonant optical parametric oscillator. Optics Letters, 1998, 23, 517.	3.3	15
527	Surface profilometry based on polarization analysis. Optics Letters, 1998, 23, 1800.	3.3	11
528	Optical tweezers with increased axial trapping efficiency. Journal of Modern Optics, 1998, 45, 1943-1949.	1.3	113
529	Open-path UV Fourier-transform gas monitor with no moving parts. Journal of Optics, 1998, 7, 875-887.	0.5	0
530	An endoscopic system for the early detection of cancers of the gastrointestinal tract. Review of Scientific Instruments, 1998, 69, 2521-2523.	1.3	11
531	Optical tweezers with increased axial trapping efficiency. Journal of Modern Optics, 1998, 45, 1943-1949.	1.3	4
532	The production of multiringed Laguerre-Gaussian modes by computer-generated holograms. Journal of Modern Optics, 1998, 45, 1231-1237.	1.3	21
533	<title>Open-path UV Fourier transform gas monitor with no moving parts</title>. , 1997, , .		0
534	Optical tweezers and spanners. Physics World, 1997, 10, 35-40.	0.0	39
535	Second-harmonic generation and the conservation of orbital angular momentum with high-order Laguerre-Gaussian modes. Physical Review A, 1997, 56, 4193-4196.	2.5	254
536	Wide field of view, ultracompact static Fourier-transform spectrometer. Review of Scientific Instruments, 1997, 68, 30-33.	1.3	10
537	Static Fourier-transform ultraviolet spectrometer for gas detection. Applied Optics, 1997, 36, 2813.	2.1	23
538	Mechanical equivalence of spin and orbital angular momentum of light: an optical spanner. Optics Letters, 1997, 22, 52.	3.3	1,030
539	Light-emitting diodes as measurement devices for femtosecond laser pulses. Optics Letters, 1997, 22, 233.	3.3	125
540	Dynamic behaviour of a doubly resonant optical parametric oscillator. Optics Communications, 1997, 136, 423-428.	2.1	4

#	ARTICLE	IF	CITATIONS
541	Gaussian beams with very high orbital angular momentum. Optics Communications, 1997, 144, 210-213.	2.1	160
542	Design of a static Fourier-transform spectrometer with increased field of view. Applied Optics, 1996, 35, 6698.	2.1	39
543	An experiment to observe the intensity and phase structure of Laguerre-Gaussian laser modes. American Journal of Physics, 1996, 64, 77-82.	0.7	219
544	Second-harmonic generation and the orbital angular momentum of light. Physical Review A, 1996, 54, R3742-R3745.	2.5	348
545	Optical tweezers and optical spanners with Laguerre-Gaussian modes. Journal of Modern Optics, 1996, 43, 2485-2491.	1.3	259
546	The generation of free-space Laguerre-Gaussian modes at millimetre-wave frequencies by use of a spiral phaseplate. Optics Communications, 1996, 127, 183-188.	2.1	402
547	An ultra-compact static Fourier-transform spectrometer based on a single birefringent component. Optics Communications, 1996, 130, 1-6.	2.1	30
548	Optical tweezers and optical spanners with Laguerre-Gaussian modes. Journal of Modern Optics, 1996, 43, 2485-2492.	1.3	5
549	Doubly-resonant optical parametric oscillators: tuning behaviour and stability requirements. Optics Communications, 1995, 119, 256-264.	2.1	29
550	The Poynting vector in Laguerre-Gaussian laser modes. Optics Communications, 1995, 121, 36-40.	2.1	273
551	A static Fourier-transform spectrometer based on Wollaston prisms. Review of Scientific Instruments, 1995, 66, 2807-2811.	1.3	71
552	Doubly resonant optical parametric oscillator formed by index matching cavity mirrors directly onto an uncoated LiB ₃ O ₅ crystal. Optics Letters, 1995, 20, 722.	3.3	6
553	Continuous frequency tuning of a cw optical parametric oscillator through tuning of its pump source. Optics Letters, 1995, 20, 1029.	3.3	21
554	A laser for the pocket of Joseph's 'multicoloured' coat. Physics Education, 1994, 29, 122-126.	0.5	0
555	A vector approach to the geometrical dependence of polarisation rotation in a non-planar cw Nd:YAG ring laser. Optics Communications, 1994, 109, 451-456.	2.1	3
556	Stationary Fourier transform spectrometer for use as a teaching tool. American Journal of Physics, 1994, 62, 1033-1036.	0.7	15
557	Continuous-wave singly resonant pump-enhanced type II LiB ₃ O ₅ optical parametric oscillator. Optics Letters, 1994, 19, 1735.	3.3	41
558	Single-pulse, Fourier-transform spectrometer having no moving parts. Applied Optics, 1994, 33, 6035.	2.1	57

#	ARTICLE	IF	CITATIONS
559	Mode selection in doubly-resonant optical parametric oscillators. IEEE Journal of Quantum Electronics, 1994, 30, 2979-2985.	1.9	7
560	Continuous-wave, dual-cavity, doubly resonant, optical parametric oscillator. Applied Physics Letters, 1994, 64, 1490-1492.	3.3	51
561	Continuous-wave parametric oscillation in lithium triborate. Optics Letters, 1993, 18, 205.	3.3	36
562	Continuous-wave parametric oscillator pumped in the ultraviolet. Optics Letters, 1993, 18, 1065.	3.3	22
563	Multicolour lasers. Physics World, 1993, 6, 36-40.	0.0	0
564	The Cambridge CO ₂ Laser Saturation Spectrometer. Journal of Modern Optics, 1990, 37, 737-747.	1.3	5
565	Frequency measurements in the 9¼m spectrum of CF ₃ Br. Infrared Physics, 1990, 30, 279-284.	0.5	0
566	An intensity-stabilised He-Ne laser for measuring small magneto-optic Kerr rotations from thin ferromagnetic films. Journal of Physics E: Scientific Instruments, 1989, 22, 308-312.	0.7	38
567	Investigation of the magnetic properties of sandwiched epitaxial Fe and Co films using the magneto-optic Kerr effect. Journal of Physics Condensed Matter, 1989, 1, 4407-4413.	1.8	3
568	Laser Frequency Measurement at NPL. , 1989, , 459-460.		0
569	Carbon Dioxide Laser Saturation Spectroscopy at kHz Linewidths. Journal of Modern Optics, 1988, 35, 315-318.	1.3	1
570	A simple frequency discriminator circuit for offset locking of lasers. Journal of Physics E: Scientific Instruments, 1988, 21, 554-557.	0.7	8
571	An ultra-high-resolution offset-locked carbon dioxide laser spectrometer. Journal Physics D: Applied Physics, 1988, 21, 1352-1358.	2.8	3
572	Measurement of light's orbital angular momentum. , 0, , 330-351.		2
573	An experimentalist's introduction to orbital angular momentum for quantum optics. , 0, , 314-329.		0