

# Kishan Dholakia

## List of Publications by Citations

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346  
papers

21,564  
citations

73  
h-index

139  
g-index

470  
ext. papers

26,442  
ext. citations

5.7  
avg, IF

7.08  
L-index

#	Paper	IF	Citations
346	Microfluidic sorting in an optical lattice. <i>Nature</i> , <b>2003</b> , 426, 421-4	50.4	991
345	Optically mediated particle clearing using Airy wavepackets. <i>Nature Photonics</i> , <b>2008</b> , 2, 675-678	33.9	824
344	Bessel beams: Diffraction in a new light. <i>Contemporary Physics</i> , <b>2005</b> , 46, 15-28	3.3	798
343	Mechanical equivalence of spin and orbital angular momentum of light: an optical spanner. <i>Optics Letters</i> , <b>1997</b> , 22, 52-4	3	784
342	The role of LiO <sub>2</sub> solubility in O <sub>2</sub> reduction in aprotic solvents and its consequences for Li-O <sub>2</sub> batteries. <i>Nature Chemistry</i> , <b>2014</b> , 6, 1091-9	17.6	764
341	Simultaneous micromanipulation in multiple planes using a self-reconstructing light beam. <i>Nature</i> , <b>2002</b> , 419, 145-7	50.4	719
340	Controlled rotation of optically trapped microscopic particles. <i>Science</i> , <b>2001</b> , 292, 912-4	33.3	699
339	Shaping the future of manipulation. <i>Nature Photonics</i> , <b>2011</b> , 5, 335-342	33.9	621
338	Generation of high-order Bessel beams by use of an axicon. <i>Optics Communications</i> , <b>2000</b> , 177, 297-301	2	551
337	Light-sheet microscopy using an Airy beam. <i>Nature Methods</i> , <b>2014</b> , 11, 541-4	21.6	479
336	Membrane disruption by optically controlled microbubble cavitation. <i>Nature Physics</i> , <b>2005</b> , 1, 107-110	16.2	419
335	Optical micromanipulation using a Bessel light beam. <i>Optics Communications</i> , <b>2001</b> , 197, 239-245	2	412
334	Creation and manipulation of three-dimensional optically trapped structures. <i>Science</i> , <b>2002</b> , 296, 1101-3	33.3	338
333	Colloquium: Grippled by light: Optical binding. <i>Reviews of Modern Physics</i> , <b>2010</b> , 82, 1767-1791	40.5	314
332	Exploiting multimode waveguides for pure fibre-based imaging. <i>Nature Communications</i> , <b>2012</b> , 3, 1027	17.4	313
331	In situ wavefront correction and its application to micromanipulation. <i>Nature Photonics</i> , <b>2010</b> , 4, 388-394	33.9	284
330	Optical micromanipulation. <i>Chemical Society Reviews</i> , <b>2008</b> , 37, 42-55	58.5	282

329	Orbital angular momentum of a high-order Bessel light beam. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , <b>2002</b> , 4, S82-S89		274
328	Second-harmonic generation and the orbital angular momentum of light. <i>Physical Review A</i> , <b>1996</b> , 54, R3742-R3745	2.6	269
327	Rotational Frequency Shift of a Light Beam. <i>Physical Review Letters</i> , <b>1998</b> , 81, 4828-4830	7.4	223
326	The production of multiringed Laguerre-Gaussian modes by computer-generated holograms. <i>Journal of Modern Optics</i> , <b>1998</b> , 45, 1231-1237	1.1	213
325	Second-harmonic generation and the conservation of orbital angular momentum with high-order Laguerre-Gaussian modes. <i>Physical Review A</i> , <b>1997</b> , 56, 4193-4196	2.6	209
324	Measurement of the Rotational Frequency Shift Imparted to a Rotating Light Beam Possessing Orbital Angular Momentum. <i>Physical Review Letters</i> , <b>1998</b> , 80, 3217-3219	7.4	191
323	Laser-induced rotation and cooling of a trapped microgyroscope in vacuum. <i>Nature Communications</i> , <b>2013</b> , 4, 2374	17.4	189
322	Dynamics of microparticles trapped in a perfect vortex beam. <i>Optics Letters</i> , <b>2013</b> , 38, 4919-22	3	185
321	Optical vortex trap for resonant confinement of metal nanoparticles. <i>Optics Express</i> , <b>2008</b> , 16, 4991-9	3.3	182
320	Shaping the light transmission through a multimode optical fibre: complex transformation analysis and applications in biophotonics. <i>Optics Express</i> , <b>2011</b> , 19, 18871-84	3.3	170
319	Auto-focusing and self-healing of Pearcey beams. <i>Optics Express</i> , <b>2012</b> , 20, 18955-66	3.3	169
318	One-dimensional optically bound arrays of microscopic particles. <i>Physical Review Letters</i> , <b>2002</b> , 89, 2839-41	14	162
317	Atom guiding along Laguerre-Gaussian and Bessel light beams. <i>Applied Physics B: Lasers and Optics</i> , <b>2000</b> , 71, 549-554	1.9	160
316	Optical micromanipulation takes hold. <i>Nano Today</i> , <b>2006</b> , 1, 18-27	17.9	156
315	Optical conveyor belt for delivery of submicron objects. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 174101	3.4	149
314	Femtosecond optical transfection of cells: viability and efficiency. <i>Optics Express</i> , <b>2006</b> , 14, 7125-33	3.3	148
313	Interfering Bessel beams for optical micromanipulation. <i>Optics Letters</i> , <b>2003</b> , 28, 657-9	3	147
312	Single cell optical transfection. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 863-71	4.1	130

311	Early detection of cervical neoplasia by Raman spectroscopy. <i>International Journal of Cancer</i> , <b>2007</b> , 121, 2723-8	7.5	129
310	All-optical control of microfluidic components using form birefringence. <i>Nature Materials</i> , <b>2005</b> , 4, 530-327		123
309	Applications of spatial light modulators in atom optics. <i>Optics Express</i> , <b>2003</b> , 11, 158-66	3.3	121
308	Dual beam fibre trap for Raman micro-spectroscopy of single cells. <i>Optics Express</i> , <b>2006</b> , 14, 5779-91	3.3	119
307	Femtosecond optical tweezers for in-situ control of two-photon fluorescence. <i>Optics Express</i> , <b>2004</b> , 12, 3011-7	3.3	116
306	Gaussian beams with very high orbital angular momentum. <i>Optics Communications</i> , <b>1997</b> , 144, 210-213	2	111
305	Multiple optical trapping and binding: new routes to self-assembly. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 102001	1.3	110
304	Tunable Bessel light modes: engineering the axial propagation. <i>Optics Express</i> , <b>2009</b> , 17, 15558-70	3.3	108
303	Optical tweezers: the next generation. <i>Physics World</i> , <b>2002</b> , 15, 31-35	0.5	106
302	Light beats the spread: Non-diffracting beams. <i>Laser and Photonics Reviews</i> , <b>2010</b> , 4, 529-547	8.3	103
301	High-order Laguerre-Gaussian laser modes for studies of cold atoms. <i>Optics Communications</i> , <b>1998</b> , 156, 300-306	2	102
300	Optical sorting and detection of submicrometer objects in a motional standing wave. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	102
299	Optical dipole traps and atomic waveguides based on Bessel light beams. <i>Physical Review A</i> , <b>2001</b> , 63,	2.6	102
298	Optical levitation in a Bessel light beam. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4001-4003	3.4	99
297	Bidirectional optical sorting of gold nanoparticles. <i>Nano Letters</i> , <b>2012</b> , 12, 1923-7	11.5	97
296	Trapping in a Material World. <i>ACS Photonics</i> , <b>2016</b> , 3, 719-736	6.3	93
295	Nanoshells for surface-enhanced Raman spectroscopy in eukaryotic cells: cellular response and sensor development. <i>ACS Nano</i> , <b>2009</b> , 3, 3613-21	16.7	89
294	Trapping and manipulation of low-index particles in a two-dimensional interferometric optical trap. <i>Optics Letters</i> , <b>2001</b> , 26, 863-5	3	89

293	Long-range one-dimensional longitudinal optical binding. <i>Physical Review Letters</i> , <b>2008</b> , 101, 143601	7.4	88
292	Optical tweezers with increased axial trapping efficiency. <i>Journal of Modern Optics</i> , <b>1998</b> , 45, 1943-1949	1.1	88
291	Light forces the pace: optical manipulation for biophotonics. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 041503	3.3	86
290	Online fluorescence suppression in modulated Raman spectroscopy. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 738-745	4.8	84
289	In-fiber common-path optical coherence tomography using a conical-tip fiber. <i>Optics Express</i> , <b>2009</b> , 17, 2375-84	3.3	84
288	Three-dimensional arrays of optical bottle beams. <i>Optics Communications</i> , <b>2003</b> , 225, 215-222	2	84
287	Parametric down-conversion for light beams possessing orbital angular momentum. <i>Physical Review A</i> , <b>1999</b> , 59, 3950-3952	2.6	84
286	Experimental observation of optical vortex evolution in a Gaussian beam with an embedded fractional phase step. <i>Optics Communications</i> , <b>2004</b> , 239, 129-135	2	82
285	Propagation characteristics of Airy beams: dependence upon spatial coherence and wavelength. <i>Optics Express</i> , <b>2009</b> , 17, 13236-45	3.3	78
284	Orbital angular momentum transfer in helical Mathieu beams. <i>Optics Express</i> , <b>2006</b> , 14, 4182-7	3.3	78
283	Optical trapping of three-dimensional structures using dynamic holograms. <i>Optics Express</i> , <b>2003</b> , 11, 3562-7	3.3	78
282	Manipulation and filtration of low index particles with holographic Laguerre-Gaussian optical trap arrays. <i>Optics Express</i> , <b>2004</b> , 12, 593-600	3.3	78
281	Willin/FRMD6 expression activates the Hippo signaling pathway kinases in mammals and antagonizes oncogenic YAP. <i>Oncogene</i> , <b>2012</b> , 31, 238-50	9.2	76
280	Visualization of the birth of an optical vortex using diffraction from a triangular aperture. <i>Optics Express</i> , <b>2011</b> , 19, 5760-71	3.3	76
279	Optical deflection and sorting of microparticles in a near-field optical geometry. <i>Optics Express</i> , <b>2008</b> , 16, 3712-26	3.3	76
278	Construction and calibration of an optical trap on a fluorescence optical microscope. <i>Nature Protocols</i> , <b>2007</b> , 2, 3226-38	18.8	76
277	Fractionation of polydisperse colloid with acousto-optically generated potential energy landscapes. <i>Optics Letters</i> , <b>2007</b> , 32, 1144-6	3	74
276	Experimental observation of modulation instability and optical spatial soliton arrays in soft condensed matter. <i>Physical Review Letters</i> , <b>2007</b> , 98, 203902	7.4	74

275	Brownian particle in an optical potential of the washboard type. <i>Physical Review Letters</i> , <b>2003</b> , 91, 038101	7.4	74
274	Light-induced cell separation in a tailored optical landscape. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 123901	3.4	73
273	Optically Anisotropic Colloids of Controllable Shape. <i>Advanced Materials</i> , <b>2005</b> , 17, 680-684	24	72
272	Generation of multiple Bessel beams for a biophotonics workstation. <i>Optics Express</i> , <b>2008</b> , 16, 14024-35	3.3	70
271	Optical redistribution of microparticles and cells between microwells. <i>Lab on A Chip</i> , <b>2009</b> , 9, 1334-6	7.2	68
270	Photoporation and cell transfection using a violet diode laser. <i>Optics Express</i> , <b>2005</b> , 13, 595-600	3.3	68
269	Revolving interference patterns for the rotation of optically trapped particles. <i>Optics Communications</i> , <b>2002</b> , 201, 21-28	2	66
268	Transverse particle dynamics in a Bessel beam. <i>Optics Express</i> , <b>2007</b> , 15, 13972-87	3.3	63
267	Multi-modal approach using Raman spectroscopy and optical coherence tomography for the discrimination of colonic adenocarcinoma from normal colon. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 2179-86	3.5	61
266	Direct electron-beam writing of continuous spiral phase plates in negative resist with high power efficiency for optical manipulation. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5784-5786	3.4	60
265	Optical eigenmodes; exploiting the quadratic nature of the energy flux and of scattering interactions. <i>Optics Express</i> , <b>2011</b> , 19, 933-45	3.3	55
264	A compact Airy beam light sheet microscope with a tilted cylindrical lens. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3434-42	3.5	53
263	Femtosecond optical transfection of individual mammalian cells. <i>Nature Protocols</i> , <b>2013</b> , 8, 1216-33	18.8	53
262	Waveguide confined Raman spectroscopy for microfluidic interrogation. <i>Lab on A Chip</i> , <b>2011</b> , 11, 1262-70	7.2	53
261	Three-dimensional optical forces and transfer of orbital angular momentum from multiringed light beams to spherical microparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2004</b> , 21, 1749	1.7	53
260	Optical trapping for analytical biotechnology. <i>Current Opinion in Biotechnology</i> , <b>2012</b> , 23, 16-21	11.4	52
259	Far field subwavelength focusing using optical eigenmodes. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 181109	3.4	52
258	The resolution of optical traps created by Light Induced Dielectrophoresis (LIDEP). <i>Optics Express</i> , <b>2007</b> , 15, 12619-26	3.3	51

257	Optical trapping of NaYF <sub>4</sub> :Er <sup>3+</sup> ,Yb <sup>3+</sup> upconverting fluorescent nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 12192-97	3.7	50
256	Optimal algorithm for fluorescence suppression of modulated Raman spectroscopy. <i>Optics Express</i> , <b>2010</b> , 18, 11382-95	3.3	50
255	Visualization of optical binding of microparticles using a femtosecond fiber optical trap. <i>Optics Express</i> , <b>2006</b> , 14, 3677-87	3.3	50
254	Modulated Raman spectroscopy for enhanced identification of bladder tumor cells in urine samples. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 037002	3.5	48
253	Nonlinear optical response of colloidal suspensions. <i>Optics Express</i> , <b>2009</b> , 17, 10277-89	3.3	48
252	Measuring the orbital angular momentum of partially coherent optical vortices through singularities in their cross-spectral density functions. <i>Optics Letters</i> , <b>2012</b> , 37, 4949-51	3	47
251	Near-field optical micromanipulation with cavity enhanced evanescent waves. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 221116	3.4	47
250	White light propagation invariant beams. <i>Optics Express</i> , <b>2005</b> , 13, 6657-66	3.3	47
249	An experiment to study a nondiffracting light beam. <i>American Journal of Physics</i> , <b>1999</b> , 67, 912-915	0.7	47
248	Ion Oscillation Frequencies in a Combined Trap. <i>Journal of Modern Optics</i> , <b>1992</b> , 39, 305-316	1.1	47
247	Light-sheet microscopy with attenuation-compensated propagation-invariant beams. <i>Science Advances</i> , <b>2018</b> , 4, eaar4817	14.3	46
246	Discrimination of bladder cancer cells from normal urothelial cells with high specificity and sensitivity: combined application of atomic force microscopy and modulated Raman spectroscopy. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 2043-55	10.8	46
245	Optical Trapping Takes Shape: The Use of Structured Light Fields. <i>Advances in Atomic, Molecular and Optical Physics</i> , <b>2008</b> , 56, 261-337	1.7	45
244	Experimental and theoretical determination of optical binding forces. <i>Optics Express</i> , <b>2010</b> , 18, 25389-4023	3.3	44
243	Atom guiding along high order Laguerre-Gaussian light beams formed by spatial light modulation. <i>Journal of Modern Optics</i> , <b>2006</b> , 53, 547-556	1.1	43
242	Analysis of optical binding in one dimension. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 84, 149-156	1.9	43
241	Effect of pulse temporal shape on optical trapping and impulse transfer using ultrashort pulsed lasers. <i>Optics Express</i> , <b>2010</b> , 18, 7554-68	3.3	42
240	Targeted optical injection of gold nanoparticles into single mammalian cells. <i>Journal of Biophotonics</i> , <b>2009</b> , 2, 736-43	3.1	42

239	Harnessing speckle for a sub-femtometre resolved broadband wavemeter and laser stabilization. <i>Nature Communications</i> , <b>2017</b> , 8, 15610	17.4	41
238	Integrated monolithic optical manipulation. <i>Lab on A Chip</i> , <b>2006</b> , 6, 1122-4	7.2	41
237	A New Twist for Materials Science: The Formation of Chiral Structures Using the Angular Momentum of Light. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801672	8.1	40
236	Fiber probe based microfluidic raman spectroscopy. <i>Optics Express</i> , <b>2010</b> , 18, 7642-9	3.3	40
235	Fibre based cellular transfection. <i>Optics Express</i> , <b>2008</b> , 16, 17007-13	3.3	40
234	Cellular and colloidal separation using optical forces. <i>Methods in Cell Biology</i> , <b>2007</b> , 82, 467-95	1.8	40
233	Optically guided neuronal growth at near infrared wavelengths. <i>Optics Express</i> , <b>2006</b> , 14, 9786-93	3.3	40
232	Optical guiding of microscopic particles in femtosecond and continuous wave Bessel light beams. <i>Optics Express</i> , <b>2004</b> , 12, 2560-5	3.3	40
231	Efficiency of second-harmonic generation with Bessel beams. <i>Physical Review A</i> , <b>1999</b> , 60, 2438-2441	2.6	40
230	GPU accelerated toolbox for real-time beam-shaping in multimode fibres. <i>Optics Express</i> , <b>2014</b> , 22, 2933-47	3.7	39
229	Modulated Raman Spectroscopy for Enhanced Cancer Diagnosis at the Cellular Level. <i>Sensors</i> , <b>2015</b> , 15, 13680-704	3.8	39
228	Effect of the radial and azimuthal mode indices of a partially coherent vortex field upon a spatial correlation singularity. <i>New Journal of Physics</i> , <b>2013</b> , 15, 113053	2.9	39
227	Optical path clearing and enhanced transmission through colloidal suspensions. <i>Optics Express</i> , <b>2010</b> , 18, 17130-40	3.3	39
226	Metasurfaces for biomedical applications: imaging and sensing from a nanophotonics perspective. <i>Nanophotonics</i> , <b>2020</b> , 10, 259-293	6.3	38
225	Application of dynamic diffractive optics for enhanced femtosecond laser based cell transfection. <i>Journal of Biophotonics</i> , <b>2010</b> , 3, 696-705	3.1	37
224	Enhanced operation of femtosecond lasers and applications in cell transfection. <i>Journal of Biophotonics</i> , <b>2008</b> , 1, 183-99	3.1	37
223	A dual beam photonic crystal fiber trap for microscopic particles. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 0411104	1.4	36
222	Guided neuronal growth using optical line traps. <i>Optics Express</i> , <b>2008</b> , 16, 10507-17	3.3	36



221	Simultaneous determination of the constituent azimuthal and radial mode indices for light fields possessing orbital angular momentum. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 231115	3.4	35
220	Random super-prism wavelength meter. <i>Optics Letters</i> , <b>2014</b> , 39, 96-9	3	34
219	Near infrared spectroscopic analysis of single malt Scotch whisky on an optofluidic chip. <i>Optics Express</i> , <b>2011</b> , 19, 22982-92	3.3	34
218	Multimode fibre: Light-sheet microscopy at the tip of a needle. <i>Scientific Reports</i> , <b>2015</b> , 5, 18050	4.9	33
217	Is it possible to create a perfect fractional vortex beam?. <i>Optica</i> , <b>2017</b> , 4, 330	8.6	32
216	Guiding a cold atomic beam along a co-propagating and oblique hollow light guide. <i>Optics Communications</i> , <b>2002</b> , 214, 247-254	2	32
215	Enhancement of optical forces using slow light in a photonic crystal waveguide. <i>Optica</i> , <b>2015</b> , 2, 816	8.6	31
214	Picoliter rheology of gaseous media using a rotating optically trapped birefringent microparticle. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 8855-8	7.8	31
213	Optical binding of two cooled micro-gyroscopes levitated in vacuum. <i>Optica</i> , <b>2018</b> , 5, 910	8.6	30
212	Spatially optimized gene transfection by laser-induced breakdown of optically trapped nanoparticles. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 093702	3.4	30
211	Characterisation of an extended cavity violet diode laser. <i>Optics Communications</i> , <b>2000</b> , 175, 185-188	2	30
210	Is there an optimal basis to maximise optical information transfer?. <i>Scientific Reports</i> , <b>2016</b> , 6, 22821	4.9	30
209	Rotational Dynamics and Heating of Trapped Nanovaterite Particles. <i>ACS Nano</i> , <b>2016</b> , 10, 11505-11510	16.7	30
208	Multimodal discrimination of immune cells using a combination of Raman spectroscopy and digital holographic microscopy. <i>Scientific Reports</i> , <b>2017</b> , 7, 43631	4.9	29
207	Raman imaging through a single multimode fibre. <i>Optics Express</i> , <b>2017</b> , 25, 13782-13798	3.3	29
206	The use of wavelength modulated Raman spectroscopy in label-free identification of T lymphocyte subsets, natural killer cells and dendritic cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0125158	3.7	29
205	Accelerating vortices in Airy beams <b>2009</b> ,		29
204	Moving interference patterns created using the angular Doppler-effect. <i>Optics Express</i> , <b>2002</b> , 10, 844-523.3		29

203	Biologically enabled sub-diffractive focusing. <i>Optics Express</i> , <b>2014</b> , 22, 27214-27	3.3	28
202	Raman-activated cell counting for profiling carbon dioxide fixing microorganisms. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 6560-3	2.8	28
201	Optical injection of mammalian cells using a microfluidic platform. <i>Biomedical Optics Express</i> , <b>2010</b> , 1, 527-536	3.5	28
200	Enhancement of image quality and imaging depth with Airy light-sheet microscopy in cleared and non-cleared neural tissue. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 4021-4033	3.5	28
199	Photon-correlation detection of ion-oscillation frequencies in quadrupole ion traps. <i>Physical Review A</i> , <b>1993</b> , 47, 441-448	2.6	27
198	Orbital-angular-momentum transfer to optically levitated microparticles in vacuum. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	26
197	Laser-induced breakdown of an optically trapped gold nanoparticle for single cell transfection. <i>Optics Letters</i> , <b>2013</b> , 38, 3402-5	3	26
196	Phototransfection of mammalian cells using femtosecond laser pulses: optimization and applicability to stem cell differentiation. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 041507	3.5	26
195	Optical trapping and spectral analysis of aerosols with a supercontinuum laser source. <i>Optics Express</i> , <b>2008</b> , 16, 7655-64	3.3	26
194	Optical Separation of Cells on Potential Energy Landscapes: Enhancement With Dielectric Tagging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2007</b> , 13, 1646-1654	3.8	26
193	A polarisation spectrometer locked diode laser for trapping cold atoms. <i>Optics Communications</i> , <b>1999</b> , 170, 79-84	2	26
192	Three-photon light-sheet fluorescence microscopy. <i>Optics Letters</i> , <b>2018</b> , 43, 5484-5487	3	26
191	Dynamics of a levitated microparticle in vacuum trapped by a perfect vortex beam: three-dimensional motion around a complex optical potential. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, C14	1.7	25
190	High-throughput optical injection of mammalian cells using a Bessel light beam. <i>Lab on A Chip</i> , <b>2012</b> , 12, 4816-20	7.2	25
189	Optical detection and grading of lung neoplasia by Raman microspectroscopy. <i>International Journal of Cancer</i> , <b>2009</b> , 124, 376-80	7.5	25
188	Beth's experiment using optical tweezers. <i>American Journal of Physics</i> , <b>2001</b> , 69, 271-276	0.7	25
187	Optical trapping with planar silicon metalenses. <i>Optics Letters</i> , <b>2018</b> , 43, 3224-3227	3	24
186	Generation of attenuation-compensating Airy beams. <i>Optics Letters</i> , <b>2014</b> , 39, 4950-3	3	24

185	Fast targeted gene transfection and optogenetic modification of single neurons using femtosecond laser irradiation. <i>Scientific Reports</i> , <b>2013</b> , 3, 3281	4.9	24
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183	Optical eigenmode imaging. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	24
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