

# Graham D Bruce

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

774  
citations

687363

13  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of Variations in Gas Refractive Index with 10 <sup>-9</sup> Resolution Using Laser Speckle. ACS Photonics, 2022, 9, 830-836.	6.6	6
2	To focus-match or not to focus-match inverse spatially offset Raman spectroscopy: a question of light penetration. Optics Express, 2022, 30, 8876.	3.4	3
3	Asymmetric longitudinal optical binding force between two identical dielectric particles with electric and magnetic dipolar responses. Physical Review A, 2022, 106, .	2.5	1
4	Transverse optical binding for a dual dipolar dielectric nanoparticle dimer. Physical Review A, 2021, 103, .	2.5	3
5	Wavelength sensitivity of the speckle patterns produced by an integrating sphere. JPhys Photonics, 2021, 3, 035005.	4.6	12
6	Initiating revolutions for optical manipulation: the origins and applications of rotational dynamics of trapped particles. Advances in Physics: X, 2021, 6, 1838322.	4.1	15
7	High speed determination of laser wavelength using Poincaré descriptors of speckle. Optics Communications, 2020, 459, 124906.	2.1	10
8	Deep Learning Enabled Laser Speckle Wavemeter with a High Dynamic Range. Laser and Photonics Reviews, 2020, 14, 2000120.	8.7	47
9	Through-bottle whisky sensing and classification using Raman spectroscopy in an axicon-based backscattering configuration. Analytical Methods, 2020, 12, 4572-4578.	2.7	8
10	Femtometer-resolved simultaneous measurement of multiple laser wavelengths in a speckle wavemeter. Optics Letters, 2020, 45, 1926.	3.3	23
11	Speckle-based determination of the polarisation state of single and multiple laser beams. OSA Continuum, 2020, 3, 1302.	1.8	5
12	Is laser repetition rate important for two-photon light sheet microscopy?. OSA Continuum, 2020, 3, 2935.	1.8	4
13	Optical hooks. Nature Photonics, 2019, 13, 229-230.	31.4	40
14	Overcoming the speckle correlation limit to achieve a fiber wavemeter with attometer resolution. Optics Letters, 2019, 44, 1367.	3.3	45
15	Speckle-based wavelength measurement at femtometer resolution using a multimode fibre. , 2018, , .		0
16	A femtometer-resolved all-fiber speckle wavemeter (Conference Presentation). , 2018, , .		0
17	Harnessing speckle for a sub-femtometre resolved broadband wavemeter and laser stabilization. Nature Communications, 2017, 8, 15610.	12.8	80
18	High-fidelity phase and amplitude control of phase-only computer generated holograms using conjugate gradient minimisation. Optics Express, 2017, 25, 11692.	3.4	40

#	ARTICLE	IF	CITATIONS
19	Light-induced atomic desorption in a compact system for ultracold atoms. <i>Scientific Reports</i> , 2015, 5, 14729.	3.3	21
20	Feedback-enhanced algorithm for aberration correction of holographic atom traps. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 115303.	1.5	13
21	Single-atom imaging of fermions in a quantum-gas microscope. <i>Nature Physics</i> , 2015, 11, 738-742.	16.7	289
22	Multi-wavelength holography with a single spatial light modulator for ultracold atom experiments. <i>Optics Express</i> , 2015, 23, 8365.	3.4	17
23	Measurement of vacuum pressure with a magneto-optical trap: A pressure-rise method. <i>Review of Scientific Instruments</i> , 2015, 86, 093108.	1.3	24
24	Conjugate gradient minimisation approach to generating holographic traps for ultracold atoms. <i>Optics Express</i> , 2014, 22, 26548.	3.4	26
25	Holographic power-law traps for the efficient production of Bose-Einstein condensates. <i>Physical Review A</i> , 2011, 84, .	2.5	16
26	A smooth, holographically generated ring trap for the investigation of superfluidity in ultracold atoms. <i>Physica Scripta</i> , 2011, T143, 014008.	2.5	26