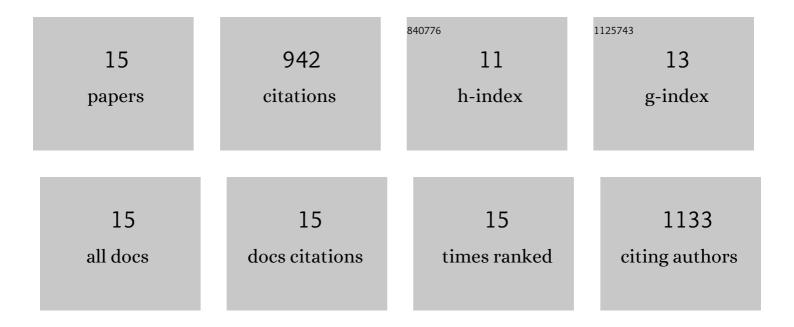
## David B Phillips

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Compressively sampling the optical transmission matrix of a multimode fibre. Light: Science and Applications, 2021, 10, 88.  | 16.6 | 49        |
| 2  | Memory effect assisted imaging through multimode optical fibres. Nature Communications, 2021, 12, 3751.  | 12.8 | 58        |
| 3  | Indirect Optical Tweezing: Pinpoint Particle Control Using Optically Engineered Fluid Flow. , 2021, , .  |      | 0         |
| 4  | Time-of-flight 3D imaging through multimode optical fibers. Science, 2021, 374, 1395-1399.   | 12.6 | 66        |
| 5  | Entropy Production in an Elementary, Light Driven Micro-Machine. Frontiers in Physics, 2020, 8, .  | 2.1  | 2         |
| 6  | Computational optical imaging with a photonic lantern. Nature Communications, 2020, 11, 5217.  | 12.8 | 23        |
| 7  | Enhanced optical trapping. , 2020, , .   |      | 0         |
| 8  | Indirect optical trapping using light driven micro-rotors for reconfigurable hydrodynamic manipulation. Nature Communications, 2019, 10, 1215.                                     | 12.8 | 91        |
| 9  | 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        |
| 10 | Adaptive foveated single-pixel imaging with dynamic supersampling. Science Advances, 2017, 3, e1601782.  | 10.3 | 184       |
| 11 | Comparison of nematic liquid-crystal and DMD based spatial light modulation in complex photonics.<br>Optics Express, 2017, 25, 29874.  | 3.4  | 95        |
| 12 | High-speed spatial control of the intensity, phase and polarisation of vector beams using a digital micro-mirror device. Optics Express, 2016, 24, 29269.                          | 3.4  | 101       |
| 13 | The transition from a coherent optical vortex to a Rankine vortex: beam contrast dependence on topological charge. Journal of Modern Optics, 2016, 63, S51-S56.                    | 1.3  | 1         |
| 14 | "Red Tweezers― Fast, customisable hologram generation for optical tweezers. Computer Physics<br>Communications, 2014, 185, 268-273.  | 7.5  | 88        |
| 15 | Fast electrical switching of orbital angular momentum modes using ultra-compact integrated vortex emitters. Nature Communications, 2014, 5, 4856.                                  | 12.8 | 149       |