

David B Phillips

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4172717/publications.pdf>

Version: 2024-02-01

15
papers

942
citations

840776

11
h-index

1125743

13
g-index

15
all docs

15
docs citations

15
times ranked

1133
citing authors

#	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. 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 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