

Edward T F Rogers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/558259/publications.pdf>

Version: 2024-02-01

16
papers

2,360
citations

623734

14
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

2711
citing authors

#	ARTICLE	IF	CITATIONS
1	Optically reconfigurable metasurfaces and photonic devices based on phase change materials. Nature Photonics, 2016, 10, 60-65.	31.4	918
2	A super-oscillatory lens optical microscope for subwavelength imaging. Nature Materials, 2012, 11, 432-435.	27.5	552
3	Optical super-oscillations: sub-wavelength light focusing and super-resolution imaging. Journal of Optics (United Kingdom), 2013, 15, 094008.	2.2	164
4	Super-oscillatory optical needle. Applied Physics Letters, 2013, 102, .	3.3	131
5	Planar super-oscillatory lens for sub-diffraction optical needles at violet wavelengths. Scientific Reports, 2014, 4, 6333.	3.3	116
6	Roadmap on superoscillations. Journal of Optics (United Kingdom), 2019, 21, 053002.	2.2	111
7	Far field subwavelength focusing using optical eigenmodes. Applied Physics Letters, 2011, 98, .	3.3	65
8	“Plasmonics” in free space: observation of giant wavevectors, vortices, and energy backflow in superoscillatory optical fields. Light: Science and Applications, 2019, 8, 2.	16.6	52
9	Flat super-oscillatory lens for heat-assisted magnetic recording with sub-50nm resolution. Optics Express, 2014, 22, 6428.	3.4	48
10	Point spread function of the optical needle super-oscillatory lens. Applied Physics Letters, 2014, 104, .	3.3	48
11	Invited Article: All-optical multichannel logic based on coherent perfect absorption in a plasmonic metamaterial. APL Photonics, 2016, 1, .	5.7	47
12	Optimising superoscillatory spots for far-field super-resolution imaging. Optics Express, 2018, 26, 8095.	3.4	43
13	Far-field unlabeled super-resolution imaging with superoscillatory illumination. APL Photonics, 2020, 5, .	5.7	25
14	Exploiting Routine Clinical Measures to Inform Strategies for Better Hearing Performance in Cochlear Implant Users. Frontiers in Neuroscience, 2018, 12, 1048.	2.8	16
15	Realising superoscillations: A review of mathematical tools and their application. JPhys Photonics, 2020, 2, 042004.	4.6	15
16	Sub-wavelength annular-slit-assisted superoscillatory lens for longitudinally-polarized super-resolution focusing. Scientific Reports, 2020, 10, 1328.	3.3	9