

# Joel T Collins

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6884863/publications.pdf>

Version: 2024-02-01

18  
papers

567  
citations

1039406

9  
h-index

839053

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

830  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality and Chiroptical Effects in Metal Nanostructures: Fundamentals and Current Trends. <i>Advanced Optical Materials</i> , 2017, 5, 1700182.	3.6	265
2	Robotic microscopy for everyone: the OpenFlexure microscope. <i>Biomedical Optics Express</i> , 2020, 11, 2447.	1.5	95
3	Strong Rotational Anisotropies Affect Nonlinear Chiral Metamaterials. <i>Advanced Materials</i> , 2017, 29, 1605110.	11.1	50
4	Second-Harmonic Generation Optical Rotation Solely Attributable to Chirality in Plasmonic Metasurfaces. <i>ACS Nano</i> , 2018, 12, 5445-5451.	7.3	35
5	Circular Dichroism in Higher-Order Diffraction Beams from Chiral Quasipolar Nanostructures. <i>Advanced Optical Materials</i> , 2018, 6, 1800098.	3.6	16
6	Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism. <i>Advanced Optical Materials</i> , 2018, 6, 1800153.	3.6	16
7	Measuring optical activity in the far-field from a racemic nanomaterial: diffraction spectroscopy from plasmonic nanogratings. <i>Nanoscale Horizons</i> , 2019, 4, 1056-1062.	4.1	16
8	Flat-Field and Colour Correction for the Raspberry Pi Camera Module. <i>Journal of Open Hardware</i> , 2020, 4, .	0.2	16
9	An Open-Source Modular Framework for Automated Pipetting and Imaging Applications. <i>Advanced Biology</i> , 2022, 6, e2101063.	1.4	11
10	Fast, high-precision autofocus on a motorised microscope: Automating blood sample imaging on the OpenFlexure Microscope. <i>Journal of Microscopy</i> , 2022, 285, 29-39.	0.8	8
11	Atomic dispensers for thermoplasmonic control of alkali vapor pressure in quantum optical applications. <i>Nature Communications</i> , 2019, 10, 2328.	5.8	6
12	Multi-modal microscopy imaging with the OpenFlexure Delta Stage. <i>Optics Express</i> , 2022, 30, 26377.	1.7	6
13	Simplifying the OpenFlexure microscope software with the web of things. <i>Royal Society Open Science</i> , 2021, 8, 211158.	1.1	5
14	The OpenFlexure Project. The technical challenges of Co-Developing a microscope in the UK and Tanzania. , 2020, , .		5
15	HardOps: utilising the software development toolchain for hardware design. <i>International Journal of Computer Integrated Manufacturing</i> , 2022, 35, 1297-1309.	2.9	4
16	Metamaterials: Strong Rotational Anisotropies Affect Nonlinear Chiral Metamaterials ( <i>Adv. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	11.1	1
17	Chiral Nanomaterials: Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism ( <i>Advanced Optical Materials</i> 14/2018). <i>Advanced Optical Materials</i> , 2018, 6, 1870057.	3.6	1
18	Nonlinear Chiroptical Response of GaAs Nanowires Partially Covered by Au. , 2019, , .		0