Joel T Collins

List of Publications by Year
in descending order

18	567	1039406 9	839053 18
papers	citations	h-index	g-index

21	21	21	830
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An Openâ€Source Modular Framework for Automated Pipetting and Imaging Applications. Advanced Biology, 2022, 6, e2101063.	1.4	11
2	Fast, highâ€precision autofocus on a motorised microscope: Automating blood sample imaging on the OpenFlexure Microscope. Journal of Microscopy, 2022, 285, 29-39.	0.8	8
3	HardOps: utilising the software development toolchain for hardware design. International Journal of Computer Integrated Manufacturing, 2022, 35, 1297-1309.	2.9	4
4	Multi-modal microscopy imaging with the OpenFlexure Delta Stage. Optics Express, 2022, 30, 26377.	1.7	6
5	Simplifying the OpenFlexure microscope software with the web of things. Royal Society Open Science, 2021, 8, 211158.	1.1	5
6	Robotic microscopy for everyone: the OpenFlexure microscope. Biomedical Optics Express, 2020, 11, 2447.	1.5	95
7	Flat-Field and Colour Correction for the Raspberry Pi Camera Module. Journal of Open Hardware, 2020, 4, .	0.2	16
8	The OpenFlexure Project. The technical challenges of Co-Developing a microscope in the UK and Tanzania. , 2020, , .		5
9	Nonlinear Chiroptical Response of GaAs Nanowires Partially Covered by Au. , 2019, , .		0
10	Atomic dispensers for thermoplasmonic control of alkali vapor pressure in quantum optical applications. Nature Communications, 2019, 10, 2328.	5.8	6
11	Measuring optical activity in the far-field from a racemic nanomaterial: diffraction spectroscopy from plasmonic nanogratings. Nanoscale Horizons, 2019, 4, 1056-1062.	4.1	16
12	Circular Dichroism in Higherâ€Order Diffraction Beams from Chiral Quasiplanar Nanostructures. Advanced Optical Materials, 2018, 6, 1800098.	3.6	16
13	Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism. Advanced Optical Materials, 2018, 6, 1800153.	3.6	16
14	Second-Harmonic Generation Optical Rotation Solely Attributable to Chirality in Plasmonic Metasurfaces. ACS Nano, 2018, 12, 5445-5451.	7.3	35
15	Chiral Nanomaterials: Enantiomorphing Chiral Plasmonic Nanostructures: A Counterintuitive Sign Reversal of the Nonlinear Circular Dichroism (Advanced Optical Materials 14/2018). Advanced Optical Materials, 2018, 6, 1870057.	3.6	1
16	Strong Rotational Anisotropies Affect Nonlinear Chiral Metamaterials. Advanced Materials, 2017, 29, 1605110.	11.1	50
17	Metamaterials: Strong Rotational Anisotropies Affect Nonlinear Chiral Metamaterials (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlo	11.1	1
18	Chirality and Chiroptical Effects in Metal Nanostructures: Fundamentals and Current Trends. Advanced Optical Materials, 2017, 5, 1700182.	3.6	265