

Adrian F Pegoraro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

2,082
citations

17
h-index

31
g-index

31
ext. papers

2,735
ext. citations

7.2
avg, IF

4.81
L-index

#	Paper	IF	Citations
27	The correlation between cell and nucleus size is explained by an eukaryotic cell growth model.. <i>PLoS Computational Biology</i> , 2022 , 18, e1009400	5	2
26	A novel jamming phase diagram links tumor invasion to non-equilibrium phase separation. <i>IScience</i> , 2021 , 24, 103252	6.1	8
25	Configurational fingerprints of multicellular living systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
24	Are cell jamming and unjamming essential in tissue development?. <i>Cells and Development</i> , 2021 , 203727		5
23	Unsupervised hyperspectral stimulated Raman microscopy image enhancement: denoising and segmentation via one-shot deep learning. <i>Optics Express</i> , 2021 , 29, 34205-34219	3.3	2
22	All normal dispersion nonlinear fibre supercontinuum source characterization and application in hyperspectral stimulated Raman scattering microscopy. <i>Optics Express</i> , 2020 , 28, 35997-36008	3.3	10
21	Oblique angle transient-reflectivity laser-scanning microscopy for mineral imaging in natural ores. <i>Optics Express</i> , 2020 , 28, 11946-11955	3.3	
20	Unjamming and collective migration in MCF10A breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 521, 706-715	3.4	24
19	Cell swelling, softening and invasion in a three-dimensional breast cancer model. <i>Nature Physics</i> , 2020 , 16, 101-108	16.2	79
18	Geometric constraints during epithelial jamming. <i>Nature Physics</i> , 2018 , 14, 613-620	16.2	106
17	Direct mineralogical imaging of economic ore and rock samples with multi-modal nonlinear optical microscopy. <i>Scientific Reports</i> , 2018 , 8, 16917	4.9	4
16	Modeling Physiological Events in 2D vs. 3D Cell Culture. <i>Physiology</i> , 2017 , 32, 266-277	9.8	617
15	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017 , 9,	10.2	103
14	Cell volume change through water efflux impacts cell stiffness and stem cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8618-E8627	11.5	215
13	Problems in biology with many scales of length: Cell-cell adhesion and cell jamming in collective cellular migration. <i>Experimental Cell Research</i> , 2016 , 343, 54-59	4.2	24
12	Direct Observation of Wet Biological Samples by Graphene Liquid Cell Transmission Electron Microscopy. <i>Nano Letters</i> , 2015 , 15, 4737-44	11.5	105
11	Soft Poly(dimethylsiloxane) Elastomers from Architecture-Driven Entanglement Free Design. <i>Advanced Materials</i> , 2015 , 27, 5132-40	24	107

10	Unraveling the complexity of deep gas accumulations with three-dimensional multimodal CARS microscopy. <i>Geology</i> , 2012 , 40, 1063-1066	5	16
9	Image formation in CARS and SRS: effect of an inhomogeneous nonresonant background medium. <i>Optics Letters</i> , 2012 , 37, 473-5	3	26
8	Image formation in CARS microscopy: effect of the Gouy phase shift. <i>Optics Express</i> , 2011 , 19, 5902-11	3.3	20
7	Cellular consequences of copper complexes used to catalyze bioorthogonal click reactions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17993-8001	16.4	280
6	Differentiating atherosclerotic plaque burden in arterial tissues using femtosecond CARS-based multimodal nonlinear optical imaging. <i>Biomedical Optics Express</i> , 2010 , 1, 59-73	3.5	21
5	Multimodal CARS microscopy of structured carbohydrate biopolymers. <i>Biomedical Optics Express</i> , 2010 , 1, 1347-1357	3.5	32
4	Activity-based protein profiling identifies a host enzyme, carboxylesterase 1, which is differentially active during hepatitis C virus replication. <i>Journal of Biological Chemistry</i> , 2010 , 285, 25602-12	5.4	51
3	Optimally chirped multimodal CARS microscopy based on a single Ti:sapphire oscillator. <i>Optics Express</i> , 2009 , 17, 2984-96	3.3	143
2	All-fiber CARS microscopy of live cells. <i>Optics Express</i> , 2009 , 17, 20700-6	3.3	72
1	Simple High Performance Multi-modal Coherent Anti-Stokes Raman Scattering (CARS) Microscopy Based on a Two-Photon Microscope. <i>Microscopy and Microanalysis</i> , 2008 , 14, 758-759	0.5	1