

# Adrian F Pegoraro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10180931/publications.pdf>

Version: 2024-02-01

28  
papers

3,303  
citations

361388

20  
h-index

501174

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

5663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Physiological Events in 2D vs. 3D Cell Culture. <i>Physiology</i> , 2017, 32, 266-277.	3.1	1,069
2	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.	7.1	362
3	Cellular Consequences of Copper Complexes Used To Catalyze Bioorthogonal Click Reactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 17993-18001.	13.7	330
4	Geometric constraints during epithelial jamming. <i>Nature Physics</i> , 2018, 14, 613-620.	16.7	196
5	Mechanical Properties of the Cytoskeleton and Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2017, 9, a022038.	5.5	194
6	Optimally chirped multimodal CARS microscopy based on a single Ti:sapphire oscillator. <i>Optics Express</i> , 2009, 17, 2984.	3.4	182
7	Cell swelling, softening and invasion in a three-dimensional breast cancer model. <i>Nature Physics</i> , 2020, 16, 101-108.	16.7	176
8	Soft Poly(dimethylsiloxane) Elastomers from Architecture-Driven Entanglement Free Design. <i>Advanced Materials</i> , 2015, 27, 5132-5140.	21.0	163
9	Direct Observation of Wet Biological Samples by Graphene Liquid Cell Transmission Electron Microscopy. <i>Nano Letters</i> , 2015, 15, 4737-4744.	9.1	137
10	All-fiber CARS microscopy of live cells. <i>Optics Express</i> , 2009, 17, 20700.	3.4	79
11	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, 25602-25612.	3.4	56
12	A novel jamming phase diagram links tumor invasion to non-equilibrium phase separation. <i>IScience</i> , 2021, 24, 103252.	4.1	43
13	Unjamming and collective migration in MCF10A breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 706-715.	2.1	42
14	Multimodal CARS microscopy of structured carbohydrate biopolymers. <i>Biomedical Optics Express</i> , 2010, 1, 1347.	2.9	37
15	Image formation in CARS and SRS: effect of an inhomogeneous nonresonant background medium. <i>Optics Letters</i> , 2012, 37, 473.	3.3	34
16	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.	2.6	32
17	Are cell jamming and unjamming essential in tissue development?. <i>Cells and Development</i> , 2021, 168, 203727.	1.5	30
18	The correlation between cell and nucleus size is explained by an eukaryotic cell growth model. <i>PLoS Computational Biology</i> , 2022, 18, e1009400.	3.2	28

#	ARTICLE	IF	CITATIONS
19	Differentiating atherosclerotic plaque burden in arterial tissues using femtosecond CARS-based multimodal nonlinear optical imaging. <i>Biomedical Optics Express</i> , 2010, 1, 59.	2.9	25
20	Image formation in CARS microscopy: effect of the Gouy phase shift. <i>Optics Express</i> , 2011, 19, 5902.	3.4	23
21	Unraveling the complexity of deep gas accumulations with three-dimensional multimodal CARS microscopy. <i>Geology</i> , 2012, 40, 1063-1066.	4.4	20
22	All normal dispersion nonlinear fibre supercontinuum source characterization and application in hyperspectral stimulated Raman scattering microscopy. <i>Optics Express</i> , 2020, 28, 35997.	3.4	13
23	Unsupervised Hyperspectral Stimulated Raman Microscopy Image Enhancement: Denoising and Segmentation via One-Shot Deep Learning. <i>Optics Express</i> , 2021, 29, 34205-34219.	3.4	10
24	Configurational fingerprints of multicellular living systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
25	Direct mineralogical imaging of economic ore and rock samples with multi-modal nonlinear optical microscopy. <i>Scientific Reports</i> , 2018, 8, 16917.	3.3	4
26	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.	0.4	1
27	All normal dispersion nonlinear fiber source for Hyperspectral Stimulated Raman Scattering Microscopy. , 2019, , .		0
28	Oblique angle transient-reflectivity laser-scanning microscopy for mineral imaging in natural ores. <i>Optics Express</i> , 2020, 28, 11946.	3.4	0