

# Paul MÃ¼ller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5140570/publications.pdf>

Version: 2024-02-01

24  
papers

1,319  
citations

516561

16  
h-index

610775

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2013  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlative all-optical quantification of mass density and mechanics of subcellular compartments with fluorescence specificity. <i>ELife</i> , 2022, 11, .	2.8	37
2	An explicit model to extract viscoelastic properties of cells from AFM force-indentation curves. <i>IScience</i> , 2022, 25, 104016.	1.9	13
3	<i>In vivo</i> assessment of mechanical properties during axolotl development and regeneration using confocal Brillouin microscopy. <i>Open Biology</i> , 2022, 12, .	1.5	6
4	PNIPAAm microgels with defined network architecture as temperature sensors in optical stretchers. <i>Materials Advances</i> , 2022, 3, 6179-6190.	2.6	5
5	DryMass: handling and analyzing quantitative phase microscopy images of spherical, cell-sized objects. <i>BMC Bioinformatics</i> , 2020, 21, 226.	1.2	11
6	Intelligent image-based deformation-assisted cell sorting with molecular specificity. <i>Nature Methods</i> , 2020, 17, 595-599.	9.0	109
7	nanite: using machine learning to assess the quality of atomic force microscopy-enabled nano-indentation data. <i>BMC Bioinformatics</i> , 2019, 20, 465.	1.2	29
8	Colloidal crystals of compliant microgel beads to study cell migration and mechanosensitivity in 3D. <i>Soft Matter</i> , 2019, 15, 9776-9787.	1.2	8
9	Response to Comment on "Cell nuclei have lower refractive index and mass density than cytoplasm". <i>Journal of Biophotonics</i> , 2018, 11, e201800095.	1.1	4
10	Real-Time Deformability Cytometry: Label-Free Functional Characterization of Cells. <i>Methods in Molecular Biology</i> , 2018, 1678, 347-369.	0.4	40
11	Three-dimensional correlative single-cell imaging utilizing fluorescence and refractive index tomography. <i>Journal of Biophotonics</i> , 2018, 11, e201700145.	1.1	75
12	Droplet-Assisted Microfluidic Fabrication and Characterization of Multifunctional Polysaccharide Microgels Formed by Multicomponent Reactions. <i>Polymers</i> , 2018, 10, 1055.	2.0	32
13	Standardized microgel beads as elastic cell mechanical probes. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6245-6261.	2.9	78
14	Statistics for real-time deformability cytometry: Clustering, dimensionality reduction, and significance testing. <i>Biomicrofluidics</i> , 2018, 12, 042214.	1.2	39
15	Accurate evaluation of size and refractive index for spherical objects in quantitative phase imaging. <i>Optics Express</i> , 2018, 26, 10729.	1.7	19
16	Mechanical Mapping of Spinal Cord Growth and Repair in Living Zebrafish Larvae by Brillouin Imaging. <i>Biophysical Journal</i> , 2018, 115, 911-923.	0.2	133
17	Single-cell mechanical phenotype is an intrinsic marker of reprogramming and differentiation along the mouse neural lineage. <i>Development (Cambridge)</i> , 2017, 144, 4313-4321.	1.2	34
18	Cell nuclei have lower refractive index and mass density than cytoplasm. <i>Journal of Biophotonics</i> , 2016, 9, 1068-1076.	1.1	139

#	ARTICLE	IF	CITATIONS
19	A pH-driven transition of the cytoplasm from a fluid- to a solid-like state promotes entry into dormancy. <i>ELife</i> , 2016, 5, .	2.8	355
20	ODTbrain: a Python library for full-view, dense diffraction tomography. <i>BMC Bioinformatics</i> , 2015, 16, 367.	1.2	23
21	Refractive index measurements of single, spherical cells using digital holographic microscopy. <i>Methods in Cell Biology</i> , 2015, 125, 143-159.	0.5	30
22	Single-cell diffraction tomography with optofluidic rotation about a tilted axis. <i>Proceedings of SPIE</i> , 2015, , .	0.8	5
23	PyCorrFit – generic data evaluation for fluorescence correlation spectroscopy. <i>Bioinformatics</i> , 2014, 30, 2532-2533.	1.8	74
24	Scanning Fluorescence Correlation Spectroscopy (SFCS) with a Scan Path Perpendicular to the Membrane Plane. <i>Methods in Molecular Biology</i> , 2014, 1076, 635-651.	0.4	7