

# Alexander Rigort

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4500566/publications.pdf>

Version: 2024-02-01

15  
papers

1,961  
citations

759233

12  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

2228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlative microscopy: Bridging the gap between fluorescence light microscopy and cryo-electron tomography. <i>Journal of Structural Biology</i> , 2007, 160, 135-145.	2.8	356
2	Focused ion beam micromachining of eukaryotic cells for cryoelectron tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4449-4454.	7.1	356
3	Cryo-electron tomography: The challenge of doing structural biology in situ. <i>Journal of Cell Biology</i> , 2013, 202, 407-419.	5.2	337
4	Micromachining tools and correlative approaches for cellular cryo-electron tomography. <i>Journal of Structural Biology</i> , 2010, 172, 169-179.	2.8	230
5	Automated segmentation of electron tomograms for a quantitative description of actin filament networks. <i>Journal of Structural Biology</i> , 2012, 177, 135-144.	2.8	186
6	Cell migration: mechanisms of rear detachment and the formation of migration tracks. <i>European Journal of Cell Biology</i> , 2004, 83, 717-724.	3.6	118
7	Cryo-focused-ion-beam applications in structural biology. <i>Archives of Biochemistry and Biophysics</i> , 2015, 581, 122-130.	3.0	102
8	Correlative cryo-light microscopy and cryo-electron tomography: from cellular territories to molecular landscapes. <i>Current Opinion in Biotechnology</i> , 2009, 20, 83-89.	6.6	100
9	Integrative Approaches for Cellular Cryo-electron Tomography. <i>Methods in Cell Biology</i> , 2012, 111, 259-281.	1.1	59
10	Advanced cryo-electron tomography workflow developments – correlative microscopy, milling automation and cryo-lift-out. <i>Journal of Microscopy</i> , 2021, 281, 112-124.	1.8	51
11	The secretory $\beta$ -amyloid precursor protein is a motogen for human epidermal keratinocytes. <i>European Journal of Cell Biology</i> , 2002, 81, 664-676.	3.6	27
12	Release of integrin macroaggregates as a mechanism of rear detachment during keratinocyte migration. <i>European Journal of Cell Biology</i> , 2004, 83, 725-733.	3.6	16
13	Recent Advances in Gas Injection System-Free Cryo-FIB Lift-Out Transfer for Cryo-Electron Tomography of Multicellular Organisms and Tissues. <i>Microscopy Today</i> , 2022, 30, 42-47.	0.3	15
14	Imaging of Vitrified Biological Specimens by Confocal Cryo-Fluorescence Microscopy and Cryo-FIB/SEM Tomography. <i>Microscopy and Microanalysis</i> , 2015, 21, 1121-1122.	0.4	3
15	New Scios CryoTM - Dedicated FIB/SEM for Advanced Cryo-Lamella Preparation in Structural Biology. <i>Microscopy and Microanalysis</i> , 2017, 23, 14-15.	0.4	0