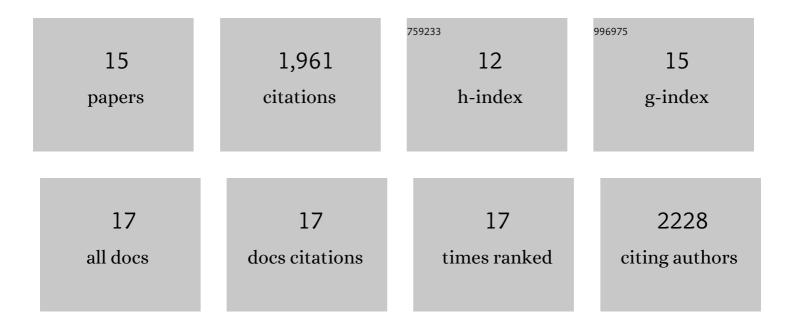
## Alexander Rigort

List of Publications by Year in descending order

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