

Peter Bieling

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5964763/peter-bieling-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

18
papers

1,500
citations

13
h-index

29
g-index

29
ext. papers

1,974
ext. citations

15.6
avg, IF

4.47
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 18 | Reconstitution of a microtubule plus-end tracking system in vitro. <i>Nature</i> , 2007 , 450, 1100-5 | 50.4 | 369 |
| 17 | A minimal midzone protein module controls formation and length of antiparallel microtubule overlaps. <i>Cell</i> , 2010 , 142, 420-32 | 56.2 | 228 |
| 16 | CLIP-170 tracks growing microtubule ends by dynamically recognizing composite EB1/tubulin-binding sites. <i>Journal of Cell Biology</i> , 2008 , 183, 1223-33 | 7.3 | 214 |
| 15 | Force Feedback Controls Motor Activity and Mechanical Properties of Self-Assembling Branched Actin Networks. <i>Cell</i> , 2016 , 164, 115-127 | 56.2 | 130 |
| 14 | Structural transitions of F-actin upon ATP hydrolysis at near-atomic resolution revealed by cryo-EM. <i>Nature Structural and Molecular Biology</i> , 2018 , 25, 528-537 | 17.6 | 90 |
| 13 | Processive kinesins require loose mechanical coupling for efficient collective motility. <i>EMBO Reports</i> , 2008 , 9, 1121-7 | 6.5 | 90 |
| 12 | Actomyosin dynamics drive local membrane component organization in an in vitro active composite layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E1645-54 ^{11.5} | 11.5 | 88 |
| 11 | Fluorescence microscopy assays on chemically functionalized surfaces for quantitative imaging of microtubule, motor, and +TIP dynamics. <i>Methods in Cell Biology</i> , 2010 , 95, 555-80 | 1.8 | 83 |
| 10 | Microtubule motility on reconstituted meiotic chromatin. <i>Current Biology</i> , 2010 , 20, 763-9 | 6.3 | 45 |
| 9 | WH2 and proline-rich domains of WASP-family proteins collaborate to accelerate actin filament elongation. <i>EMBO Journal</i> , 2018 , 37, 102-121 | 13 | 43 |
| 8 | Profilin and formin constitute a pacemaker system for robust actin filament growth. <i>ELife</i> , 2019 , 8, | 8.9 | 33 |
| 7 | Extraction of active RhoGTPases by RhoGDI regulates spatiotemporal patterning of RhoGTPases. <i>ELife</i> , 2019 , 8, | 8.9 | 27 |
| 6 | From solution to surface to filament: actin flux into branched networks. <i>Biophysical Reviews</i> , 2018 , 10, 1537-1551 | 3.7 | 21 |
| 5 | Stochastic geometry sensing and polarization in a lipid kinase-phosphatase competitive reaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 15013-15022 ^{11.5} | 11.5 | 12 |
| 4 | Cryo-EM Resolves Molecular Recognition Of An Optojasp Photoswitch Bound To Actin Filaments In Both Switch States. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8678-8682 | 16.4 | 10 |
| 3 | Micropattern-guided assembly of overlapping pairs of dynamic microtubules. <i>Methods in Enzymology</i> , 2014 , 540, 339-60 | 1.7 | 7 |
| 2 | A barbed end interference mechanism reveals how capping protein promotes nucleation in branched actin networks. <i>Nature Communications</i> , 2021 , 12, 5329 | 17.4 | 7 |

- 1 Cryo-EM Resolves Molecular Recognition Of An Optojasp Photoswitch Bound To Actin Filaments In Both Switch States. *Angewandte Chemie*, **2021**, 133, 8760-8764 3.6 1