

Liam J Holt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4311919/publications.pdf>

Version: 2024-02-01

20
papers

1,948
citations

623734

14
h-index

713466

21
g-index

41
all docs

41
docs citations

41
times ranked

3044
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | SWI/SNF senses carbon starvation with a pH-sensitive low-complexity sequence. <i>ELife</i> , 2022, 11, . | 6.0 | 23 |
| 2 | Macromolecular crowding limits growth under pressure. <i>Nature Physics</i> , 2022, 18, 411-416. | 16.7 | 29 |
| 3 | Physical properties of the cytoplasm modulate the rates of microtubule polymerization and depolymerization. <i>Developmental Cell</i> , 2022, 57, 466-479.e6. | 7.0 | 50 |
| 4 | Z- α -antitrypsin polymers impose molecular filtration in the endoplasmic reticulum after undergoing phase transition to a solid state. <i>Science Advances</i> , 2022, 8, eabm2094. | 10.3 | 15 |
| 5 | Synthetic regulatory reconstitution reveals principles of mammalian <i>Hox</i> cluster regulation. <i>Science</i> , 2022, 377, . | 12.6 | 18 |
| 6 | Reciprocal regulation of cellular mechanics and metabolism. <i>Nature Metabolism</i> , 2021, 3, 456-468. | 11.9 | 40 |
| 7 | Microtubules Enhance Mesoscale Effective Diffusivity in the Crowded Metaphase Cytoplasm. <i>Developmental Cell</i> , 2020, 54, 574-582.e4. | 7.0 | 18 |
| 8 | Chromosome clustering by Ki-67 excludes cytoplasm during nuclear assembly. <i>Nature</i> , 2020, 587, 285-290. | 27.8 | 71 |
| 9 | Spatial heterogeneity of the cytosol revealed by machine learning-based 3D particle tracking. <i>Molecular Biology of the Cell</i> , 2020, 31, 1498-1511. | 2.1 | 11 |
| 10 | Synthetic-Evolution Reveals Narrow Paths to Regulation of the <i>Saccharomyces cerevisiae</i> Mitotic Kinesin-5 Cin8. <i>International Journal of Biological Sciences</i> , 2019, 15, 1125-1138. | 6.4 | 6 |
| 11 | Excessive Cell Growth Causes Cytoplasm Dilution And Contributes to Senescence. <i>Cell</i> , 2019, 176, 1083-1097.e18. | 28.9 | 347 |
| 12 | Comprehensive Scanning Mutagenesis of Human Retrotransposon LINE-1 Identifies Motifs Essential for Function. <i>Genetics</i> , 2019, 213, 1401-1414. | 2.9 | 22 |
| 13 | Ancestral reconstruction reveals mechanisms of ERK regulatory evolution. <i>ELife</i> , 2019, 8, . | 6.0 | 24 |
| 14 | CDKL Family Kinases Have Evolved Distinct Structural Features and Ciliary Function. <i>Cell Reports</i> , 2018, 22, 885-894. | 6.4 | 48 |
| 15 | SCWISH network is essential for survival under mechanical pressure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 13465-13470. | 7.1 | 24 |
| 16 | A glucose-starvation response regulates the diffusion of macromolecules. <i>ELife</i> , 2016, 5, . | 6.0 | 151 |
| 17 | Ancestral resurrection reveals evolutionary mechanisms of kinase plasticity. <i>ELife</i> , 2014, 3, . | 6.0 | 53 |
| 18 | Regulatory modules: Coupling protein stability to phosphoregulation during cell division. <i>FEBS Letters</i> , 2012, 586, 2773-2777. | 2.8 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Global Analysis of Cdk1 Substrate Phosphorylation Sites Provides Insights into Evolution. <i>Science</i> , 2009, 325, 1682-1686. | 12.6 | 821 |
| 20 | Evolution of Ime2 Phosphorylation Sites on Cdk1 Substrates Provides a Mechanism to Limit the Effects of the Phosphatase Cdc14 in Meiosis. <i>Molecular Cell</i> , 2007, 25, 689-702. | 9.7 | 70 |