

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	Global Analysis of Cdk1 Substrate Phosphorylation Sites Provides Insights into Evolution. <i>Science</i> , 2009, 325, 1682-1686.	12.6	821
2	Excessive Cell Growth Causes Cytoplasm Dilution And Contributes to Senescence. <i>Cell</i> , 2019, 176, 1083-1097.e18.	28.9	347
3	A glucose-starvation response regulates the diffusion of macromolecules. <i>ELife</i> , 2016, 5, .	6.0	151
4	Chromosome clustering by Ki-67 excludes cytoplasm during nuclear assembly. <i>Nature</i> , 2020, 587, 285-290.	27.8	71
5	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
6	Ancestral resurrection reveals evolutionary mechanisms of kinase plasticity. <i>ELife</i> , 2014, 3, .	6.0	53
7	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
8	Regulatory modules: Coupling protein stability to phosphoregulation during cell division. <i>FEBS Letters</i> , 2012, 586, 2773-2777.	2.8	49
9	CDKL Family Kinases Have Evolved Distinct Structural Features and Ciliary Function. <i>Cell Reports</i> , 2018, 22, 885-894.	6.4	48
10	Reciprocal regulation of cellular mechanics and metabolism. <i>Nature Metabolism</i> , 2021, 3, 456-468.	11.9	40
11	Macromolecular crowding limits growth under pressure. <i>Nature Physics</i> , 2022, 18, 411-416.	16.7	29
12	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
13	Ancestral reconstruction reveals mechanisms of ERK regulatory evolution. <i>ELife</i> , 2019, 8, .	6.0	24
14	SWI/SNF senses carbon starvation with a pH-sensitive low-complexity sequence. <i>ELife</i> , 2022, 11, .	6.0	23
15	Comprehensive Scanning Mutagenesis of Human Retrotransposon LINE-1 Identifies Motifs Essential for Function. <i>Genetics</i> , 2019, 213, 1401-1414.	2.9	22
16	Microtubules Enhance Mesoscale Effective Diffusivity in the Crowded Metaphase Cytoplasm. <i>Developmental Cell</i> , 2020, 54, 574-582.e4.	7.0	18
17	Synthetic regulatory reconstitution reveals principles of mammalian <i>Hox</i> cluster regulation. <i>Science</i> , 2022, 377, .	12.6	18
18	Z ¹ -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

#	ARTICLE	IF	CITATIONS
19	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
20	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