

# Claire T Friel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1626723/publications.pdf>

Version: 2024-02-01

25  
papers

1,339  
citations

516215

16  
h-index

610482

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1582  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule Dynamics Reconstituted In Vitro and Imaged by Single-Molecule Fluorescence Microscopy. <i>Methods in Cell Biology</i> , 2010, 95, 221-245.	0.5	239
2	Protein folding: Defining a "standard" set of experimental conditions and a preliminary kinetic data set of two-state proteins. <i>Protein Science</i> , 2005, 14, 602-616.	3.1	207
3	Structural Analysis of the Rate-limiting Transition States in the Folding of Im7 and Im9: Similarities and Differences in the Folding of Homologous Proteins. <i>Journal of Molecular Biology</i> , 2003, 326, 293-305.	2.0	126
4	Perturbing the folding energy landscape of the bacterial immunity protein Im7 by site-specific N-linked glycosylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 22528-22533.	3.3	72
5	Purification of Tubulin from Porcine Brain. <i>Methods in Molecular Biology</i> , 2011, 777, 15-28.	0.4	68
6	The kinesin-13 MCAK has an unconventional ATPase cycle adapted for microtubule depolymerization. <i>EMBO Journal</i> , 2011, 30, 3928-3939.	3.5	68
7	Semisynthesis of a Glycosylated Im7 Analogue for Protein Folding Studies. <i>Journal of the American Chemical Society</i> , 2005, 127, 12882-12889.	6.6	67
8	Mitotic centromere-associated kinesin (MCAK): a potential cancer drug target. <i>Oncotarget</i> , 2011, 2, 935-947.	0.8	66
9	The mechanism of folding of Im7 reveals competition between functional and kinetic evolutionary constraints. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 318-324.	3.6	63
10	Switching Two-state to Three-state Kinetics in the Helical Protein Im9 via the Optimisation of Stabilising Non-native Interactions by Design. <i>Journal of Molecular Biology</i> , 2004, 342, 261-273.	2.0	62
11	Functional and Spatial Regulation of Mitotic Centromere-Associated Kinesin by Cyclin-Dependent Kinase 1. <i>Molecular and Cellular Biology</i> , 2010, 30, 2594-2607.	1.1	51
12	Comparison of the transition state ensembles for folding of Im7 and Im9 determined using all-atom molecular dynamics simulations with $\bar{\nu}$ value restraints. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 54, 513-525.	1.5	41
13	Polo-like kinase 1 regulates the stability of the mitotic centromere-associated kinesin in mitosis. <i>Oncotarget</i> , 2014, 5, 3130-3144.	0.8	31
14	The Effect of Increasing the Stability of Non-native Interactions on the Folding Landscape of the Bacterial Immunity Protein Im9. <i>Journal of Molecular Biology</i> , 2007, 371, 554-568.	2.0	30
15	Parts list for a microtubule depolymerising kinesin. <i>Biochemical Society Transactions</i> , 2018, 46, 1665-1672.	1.6	25
16	Efa6 protects axons and regulates their growth and branching by inhibiting microtubule polymerisation at the cortex. <i>ELife</i> , 2019, 8, .	2.8	25
17	Coupling of kinesin ATP turnover to translocation and microtubule regulation: one engine, many machines. <i>Journal of Muscle Research and Cell Motility</i> , 2012, 33, 377-383.	0.9	24
18	Detailed evaluation of the performance of microfluidic T mixers using fluorescence and ultraviolet resonance Raman spectroscopy. <i>Review of Scientific Instruments</i> , 2006, 77, 055105.	0.6	15

#	ARTICLE	IF	CITATIONS
19	The family-specific $\hat{\pm}4$ -helix of the kinesin-13, MCAK, is critical to microtubule end recognition. <i>Open Biology</i> , 2016, 6, 160223.	1.5	15
20	Helix stability and hydrophobicity in the folding mechanism of the bacterial immunity protein Im9. <i>Protein Engineering, Design and Selection</i> , 2005, 18, 41-50.	1.0	14
21	Identification of key residues that regulate the interaction of kinesins with microtubule ends. <i>Cytoskeleton</i> , 2019, 76, 440-446.	1.0	9
22	Analysing the ATP Turnover Cycle of Microtubule Motors. <i>Methods in Molecular Biology</i> , 2011, 777, 177-192.	0.4	8
23	A Cdk1 phosphomimic mutant of MCAK impairs microtubule end recognition. <i>PeerJ</i> , 2017, 5, e4034.	0.9	5
24	Use of Stopped-Flow Fluorescence and Labeled Nucleotides to Analyze the ATP Turnover Cycle of Kinesins. <i>Journal of Visualized Experiments</i> , 2014, , e52142.	0.2	4
25	Exploring the folding landscape of alpha helical proteins. <i>Biochemical Society Transactions</i> , 2000, 28, A70-A70.	1.6	0