

Daniel P Mulvihill

List of Publications by Citations

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

49
papers

1,469
citations

19
h-index

38
g-index

54
ext. papers

1,733
ext. citations

5.6
avg, IF

4.48
L-index

#	Paper	IF	Citations
49	Tropomyosin - master regulator of actin filament function in the cytoskeleton. <i>Journal of Cell Science</i> , 2015 , 128, 2965-74	5.3	159
48	Synthesis of empty bacterial microcompartments, directed organelle protein incorporation, and evidence of filament-associated organelle movement. <i>Molecular Cell</i> , 2010 , 38, 305-15	17.6	155
47	Plo1 kinase recruitment to the spindle pole body and its role in cell division in <i>Schizosaccharomyces pombe</i> . <i>Molecular Biology of the Cell</i> , 1999 , 10, 2771-85	3.5	126
46	Solution structure of a bacterial microcompartment targeting peptide and its application in the construction of an ethanol bioreactor. <i>ACS Synthetic Biology</i> , 2014 , 3, 454-465	5.7	125
45	The role of Plo1 kinase in mitotic commitment and septation in <i>Schizosaccharomyces pombe</i> . <i>EMBO Journal</i> , 2001 , 20, 1259-70	13	125
44	Targeted amino-terminal acetylation of recombinant proteins in <i>E. coli</i> . <i>PLoS ONE</i> , 2010 , 5, e15801	3.7	90
43	The recruitment of acetylated and unacetylated tropomyosin to distinct actin polymers permits the discrete regulation of specific myosins in fission yeast. <i>Journal of Cell Science</i> , 2010 , 123, 3235-43	5.3	72
42	Acetylation regulates tropomyosin function in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Journal of Cell Science</i> , 2007 , 120, 1635-45	5.3	68
41	Formins determine the functional properties of actin filaments in yeast. <i>Current Biology</i> , 2014 , 24, 1525-30	3.7	67
40	A critical role for the type V myosin, Myo52, in septum deposition and cell fission during cytokinesis in <i>Schizosaccharomyces pombe</i> . <i>Cytoskeleton</i> , 2006 , 63, 149-61		40
39	QD-antibody conjugates via carbodiimide-mediated coupling: a detailed study of the variables involved and a possible new mechanism for the coupling reaction under basic aqueous conditions. <i>Langmuir</i> , 2011 , 27, 13888-96	4	36
38	Cytokinetic actomyosin ring formation and septation in fission yeast are dependent on the full recruitment of the polo-like kinase Plo1 to the spindle pole body and a functional spindle assembly checkpoint. <i>Journal of Cell Science</i> , 2002 , 115, 3575-86	5.3	29
37	Role of the two type II myosins, Myo2 and Myp2, in cytokinetic actomyosin ring formation and function in fission yeast. <i>Cytoskeleton</i> , 2003 , 54, 208-16		27
36	Localization of fission yeast type II myosin, Myo2, to the cytokinetic actin ring is regulated by phosphorylation of a C-terminal coiled-coil domain and requires a functional septation initiation network. <i>Molecular Biology of the Cell</i> , 2001 , 12, 4044-53	3.5	27
35	Tropomyosin-Mediated Regulation of Cytoplasmic Myosins. <i>Traffic</i> , 2016 , 17, 872-7	5.7	25
34	Ste20-kinase-dependent TEDS-site phosphorylation modulates the dynamic localisation and endocytic function of the fission yeast class I myosin, Myo1. <i>Journal of Cell Science</i> , 2009 , 122, 3856-61	5.3	25
33	Myosin V-mediated vacuole distribution and fusion in fission yeast. <i>Current Biology</i> , 2001 , 11, 1124-7	6.3	24

32	Fission yeast Myo51 is a meiotic spindle pole body component with discrete roles during cell fusion and spore formation. <i>Journal of Cell Science</i> , 2009 , 122, 4330-40	5.3	21
31	In vivo movement of the type V myosin Myo52 requires dimerisation but is independent of the neck domain. <i>Journal of Cell Science</i> , 2007 , 120, 4093-8	5.3	20
30	A symbiotic supramolecular approach to the design of novel amphiphiles with antibacterial properties against MSRA. <i>Chemical Communications</i> , 2018 , 55, 95-98	5.8	19
29	Myosin V spatially regulates microtubule dynamics and promotes the ubiquitin-dependent degradation of the fission yeast CLIP-170 homologue, Tip1. <i>Journal of Cell Science</i> , 2009 , 122, 3862-72	5.3	18
28	Recent Insights on Alzheimer's Disease Originating from Yeast Models. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	16
27	Controllable hydrogen bonded self-association for the formation of multifunctional antimicrobial materials. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4694-4700	7.3	15
26	Cytokinesis in fission yeast: a myosin pas de deux. <i>Microscopy Research and Technique</i> , 2000 , 49, 152-60	2.8	13
25	TOR complex 2 localises to the cytokinetic actomyosin ring and controls the fidelity of cytokinesis. <i>Journal of Cell Science</i> , 2016 , 129, 2613-24	5.3	13
24	An enhanced recombinant amino-terminal acetylation system and novel in vivo high-throughput screen for molecules affecting β -synuclein oligomerisation. <i>FEBS Letters</i> , 2017 , 591, 833-841	3.8	12
23	Production of amino-terminally acetylated recombinant proteins in E. coli. <i>Methods in Molecular Biology</i> , 2013 , 981, 193-200	1.4	12
22	Towards the Prediction of Antimicrobial Efficacy for Hydrogen Bonded, Self-Associating Amphiphiles. <i>ChemMedChem</i> , 2020 , 15, 2193-2205	3.7	11
21	Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. <i>Journal of Cell Biology</i> , 2019 , 218, 3548-3559	7.3	11
20	Altering the stability of the Cdc8 overlap region modulates the ability of this tropomyosin to bind co-operatively to actin and regulate myosin. <i>Biochemical Journal</i> , 2011 , 438, 265-73	3.8	9
19	Regulation and function of the fission yeast myosins. <i>Journal of Cell Science</i> , 2011 , 124, 1383-90	5.3	9
18	Take five: a myosin class act in fission yeast. <i>Cytoskeleton</i> , 2002 , 51, 53-6		9
17	Analysis of biophysical and functional consequences of tropomyosin-fluorescent protein fusions. <i>FEBS Letters</i> , 2016 , 590, 3111-21	3.8	9
16	Live Cell Imaging in Fission Yeast. <i>Cold Spring Harbor Protocols</i> , 2017 , 2017, pdb.top090621	1.2	6
15	Supramolecular self-associating amphiphiles (SSAs) as nanoscale enhancers of cisplatin anticancer activity.. <i>RSC Advances</i> , 2021 , 11, 14213-14217	3.7	5

14	Shedding a little light on light chains. <i>Nature Cell Biology</i> , 2001 , 3, E10-2	23.4	4
13	The Fission Yeast Actomyosin Cytoskeleton 2004 , 225-242		4
12	Identification of organophosphorus simulants for the development of next-generation detection technologies. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 2008-2014	3.9	3
11	Myosin-cell wall interactions during cytokinesis in fission yeast: a framework for understanding plant cytokinesis?. <i>Cell Biology International</i> , 2003 , 27, 239-40	4.5	2
10	TORC2-Gad8-dependent myosin phosphorylation modulates regulation by calcium. <i>ELife</i> , 2019 , 8,	8.9	2
9	Anionic Self-Assembling Supramolecular Enhancers of Antimicrobial Efficacy against Gram-Negative Bacteria. <i>Advanced Therapeutics</i> , 2200024	4.9	2
8	Temperature sensitive point mutations in fission yeast tropomyosin have long range effects on the stability and function of the actin-tropomyosin copolymer. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 506, 339-346	3.4	1
7	Di-anionic self-associating supramolecular amphiphiles (SSAs) as antimicrobial agents against MRSA and. <i>Chemical Communications</i> , 2021 , 57, 11839-11842	5.8	1
6	Identification of sequence changes in myosin II that adjust muscle contraction velocity. <i>PLoS Biology</i> , 2021 , 19, e3001248	9.7	1
5	A novel live-cell imaging system reveals a reversible hydrostatic pressure impact on cell-cycle progression. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	1
4	Recombinant Expression and Purification of N-Acetylated Alpha-Synuclein. <i>Methods in Molecular Biology</i> , 2019 , 1948, 113-121	1.4	0
3	Acetylation stabilises calmodulin-regulated calcium signalling.. <i>FEBS Letters</i> , 2022 ,	3.8	
2	Using fluorescence to study actomyosin in yeasts. <i>Exs</i> , 2014 , 105, 277-98		
1	Dependency relationships within the fission yeast polarity network. <i>FEBS Letters</i> , 2018 , 592, 2543-2549	3.8	