Daniel P Mulvihill

List of Publications by Year
in descending order

51 papers	1,876 citations	331259 21 h-index	276539 41 g-index
54 all docs	54 docs citations	54 times ranked	1988 citing authors

#	Article	IF	Citations
1	Tropomyosin â€“ master regulator of actin filament function in the cytoskeleton. Journal of Cell Science, 2015, 128, 2965-74.	1.2	215
2	Synthesis of Empty Bacterial Microcompartments, Directed Organelle Protein Incorporation, and Evidence of Filament-Associated Organelle Movement. Molecular Cell, 2010, 38, 305-315.	4.5	200
3	Solution Structure of a Bacterial Microcompartment Targeting Peptide and Its Application in the Construction of an Ethanol Bioreactor. ACS Synthetic Biology, 2014, 3, 454-465.	1.9	175
4	Plo1 Kinase Recruitment to the Spindle Pole Body and Its Role in Cell Division in<i>Schizosaccharomyces pombe</i>. Molecular Biology of the Cell, 1999, 10, 2771-2785.	0.9	136
5	The role of Plo1 kinase in mitotic commitment and septation in Schizosaccharomyces pombe. EMBO Journal, 2001, 20, 1259-1270.	3.5	134
6	Targeted Amino-Terminal Acetylation of Recombinant Proteins in E. coli. PLoS ONE, 2010, 5, e15801.	1.1	112
7	The recruitment of acetylated and unacetylated tropomyosin to distinct actin polymers permits the discrete regulation of specific myosins in fission yeast. Journal of Cell Science, 2010, 123, 3235-3243.	1.2	87
8	Formins Determine the Functional Properties of Actin Filaments in Yeast. Current Biology, 2014, 24, 1525-1530.	1.8	79
9	Acetylation regulates tropomyosin function in the fission yeast Schizosaccharomyces pombe. Journal of Cell Science, 2007, 120, 1635-1645.	1.2	77
10	A critical role for the type V myosin, Myo52, in septum deposition and cell fission during cytokinesis inSchizosaccharomyces pombe. Cytoskeleton, 2006, 63, 149-161.	4.4	51
11	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. Langmuir, 2011, 27, 13888-13896.	1.6	44
12	Tropomyosinâ€Mediated Regulation of Cytoplasmic Myosins. Traffic, 2016, 17, 872-877.	1.3	35
13	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. Journal of Cell Science, 2002, 115, 3575-3586.	1.2	32
14	Ste20-kinase-dependent TEDS-site phosphorylation modulates the dynamic localisation and endocytic function of the fission yeast class I myosin, Myo1. Journal of Cell Science, 2009, 122, 3856-3861.	1.2	32
15	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. Molecular Biology of the Cell, 2001, 12, 4044-4053.	0.9	31
16	Role of the two type II myosins, Myo2 and Myp2, in cytokinetic actomyosin ring formation and function in fission yeast. Cytoskeleton, 2003, 54, 208-216.	4.4	30
17	Recent Insights on Alzheimerâ€™s Disease Originating from Yeast Models. International Journal of Molecular Sciences, 2018, 19, 1947.	1.8	29
18	Myosin V-mediated vacuole distribution and fusion in fission yeast. Current Biology, 2001, 11, 1124-1127.	1.8	25

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19	Fission yeast Myo51 is a meiotic spindle pole body component with discrete roles during cell fusion and spore formation. Journal of Cell Science, 2009, 122, 4330-4340.	1.2	25
20	Controllable hydrogen bonded self-association for the formation of multifunctional antimicrobial materials. Journal of Materials Chemistry B, 2020, 8, 4694-4700.	2.9	24
21	A symbiotic supramolecular approach to the design of novel amphiphiles with antibacterial properties against MSRA. Chemical Communications, 2019, 55, 95-98.	2.2	23
22	In vivo movement of the type V myosin Myo52 requires dimerisation but is independent of the neck domain. Journal of Cell Science, 2007, 120, 4093-4098.	1.2	20
23	Myosin V spatially regulates microtubule dynamics and promotes the ubiquitin-dependent degradation of the fission yeast CLIP-170 homologue, Tip1. Journal of Cell Science, 2009, 122, 3862-3872.	1.2	20
24	An enhanced recombinant aminoâ€terminal acetylation system and novel <i>in vivo</i> highâ€throughput screen for molecules affecting Î±â€synuclein oligomerisation. FEBS Letters, 2017, 591, 833-841.	1.3	18
25	Towards the Prediction of Antimicrobial Efficacy for Hydrogen Bonded, Selfâ€Associating Amphiphiles. ChemMedChem, 2020, 15, 2193-2205.	1.6	18
26	Cytokinesis in fission yeast: A myosinpas de deux. Microscopy Research and Technique, 2000, 49, 152-160.	1.2	17
27	Production of Amino-Terminally Acetylated Recombinant Proteins in E. coli. Methods in Molecular Biology, 2013, 981, 193-200.	0.4	16
28	TOR complex 2 localises to the cytokinetic actomyosin ring and controls the fidelity of cytokinesis. Journal of Cell Science, 2016, 129, 2613-24.	1.2	16
29	Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. Journal of Cell Biology, 2019, 218, 3548-3559.	2.3	16
30	Take five: A myosin class act in fission yeast. Cytoskeleton, 2002, 51, 53-56.	4.4	15
31	Regulation and function of the fission yeast myosins. Journal of Cell Science, 2011, 124, 1383-1390.	1.2	13
32	Supramolecular self-associating amphiphiles (SSAs) as nanoscale enhancers of cisplatin anticancer activity. RSC Advances, 2021, 11, 14213-14217.	1.7	13
33	Distinct actinâ€“tropomyosin cofilament populations drive the functional diversification of cytoskeletal myosin motor complexes. IScience, 2022, 25, 104484.	1.9	13
34	Altering the stability of the Cdc8 overlap region modulates the ability of this tropomyosin to bind co-operatively to actin and regulate myosin. Biochemical Journal, 2011, 438, 265-273.	1.7	10
35	Analysis of biophysical and functional consequences of tropomyosinâ€“fluorescent protein fusions. FEBS Letters, 2016, 590, 3111-3121.	1.3	10
36	Live Cell Imaging in Fission Yeast. Cold Spring Harbor Protocols, 2017, 2017, pdb.top090621.	0.2	9

#	Article	IF	Citations
37	Identification of sequence changes in myosin II that adjust muscle contraction velocity. PLoS Biology, 2021, 19, e3001248.	2.6	9
38	Identification of organophosphorus simulants for the development of next-generation detection technologies. Organic and Biomolecular Chemistry, 2021, 19, 2008-2014.	1.5	7
39	The Fission Yeast Actomyosin Cytoskeleton. , 2004, , 225-242.		7
40	Anionic Selfâ€Assembling Supramolecular Enhancers of Antimicrobial Efficacy against Gramâ€Negative Bacteria. Advanced Therapeutics, 2022, 5, .	1.6	7
41	Temperature sensitive point mutations in fission yeast tropomyosin have long range effects on the stability and function of the actin-tropomyosin copolymer. Biochemical and Biophysical Research Communications, 2018, 506, 339-346.	1.0	6
42	Shedding a little light on light chains. Nature Cell Biology, 2001, 3, E10-E11.	4.6	5
43	TORC2-Gad8-dependent myosin phosphorylation modulates regulation by calcium. ELife, 2019, 8, .	2.8	4
44	Di-anionic self-associating supramolecular amphiphiles (SSAs) as antimicrobial agents against MRSA and<i>Escherichia coli</i>. Chemical Communications, 2021, 57, 11839-11842.	2.2	4
45	Recombinant Expression and Purification of N-Acetylated Alpha-Synuclein. Methods in Molecular Biology, 2019, 1948, 113-121.	0.4	3
46	Myosinâ€“cell wall interactions during cytokinesis in fission yeast: a framework for understanding plant cytokinesis?. Cell Biology International, 2003, 27, 239-240.	1.4	2
47	A novel live cell imaging system reveals a reversible hydrostatic pressure impact on cell cycle progression. Journal of Cell Science, 2018, 131, .	1.2	1
48	Yeasts as Complementary Model Systems for the Study of the Pathological Repercussions of Enhanced Synphilin-1 Glycation and Oxidation. International Journal of Molecular Sciences, 2021, 22, 1677.	1.8	1
49	Dependency relationships within the fission yeast polarity network. FEBS Letters, 2018, 592, 2543-2549.	1.3	0
50	Using Fluorescence to Study Actomyosin in Yeasts. Exs, 2014, 105, 277-298.	1.4	0
51	Acetylation stabilises calmodulinâ€regulated calcium signalling. FEBS Letters, 2022, 596, 762-771.	1.3	0