

# Daniel P Mulvihill

## List of Publications by Year in Descending Order

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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 | Acetylation stabilises calmodulin-regulated calcium signalling.. <i>FEBS Letters</i> , <b>2022</b> ,   | 3.8 |           |
| 48 | Di-anionic self-associating supramolecular amphiphiles (SSAs) as antimicrobial agents against MRSA and. <i>Chemical Communications</i> , <b>2021</b> , 57, 11839-11842   | 5.8 | 1         |
| 47 | Identification of sequence changes in myosin II that adjust muscle contraction velocity. <i>PLoS Biology</i> , <b>2021</b> , 19, e3001248  | 9.7 | 1         |
| 46 | Identification of organophosphorus simulants for the development of next-generation detection technologies. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 2008-2014  | 3.9 | 3         |
| 45 | Supramolecular self-associating amphiphiles (SSAs) as nanoscale enhancers of cisplatin anticancer activity.. <i>RSC Advances</i> , <b>2021</b> , 11, 14213-14217   | 3.7 | 5         |
| 44 | Controllable hydrogen bonded self-association for the formation of multifunctional antimicrobial materials. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 4694-4700   | 7.3 | 15        |
| 43 | Towards the Prediction of Antimicrobial Efficacy for Hydrogen Bonded, Self-Associating Amphiphiles. <i>ChemMedChem</i> , <b>2020</b> , 15, 2193-2205   | 3.7 | 11        |
| 42 | Recombinant Expression and Purification of N-Acetylated Alpha-Synuclein. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1948, 113-121   | 1.4 | 0         |
| 41 | TORC2-Gad8-dependent myosin phosphorylation modulates regulation by calcium. <i>ELife</i> , <b>2019</b> , 8,   | 8.9 | 2         |
| 40 | Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. <i>Journal of Cell Biology</i> , <b>2019</b> , 218, 3548-3559  | 7.3 | 11        |
| 39 | A symbiotic supramolecular approach to the design of novel amphiphiles with antibacterial properties against MSRA. <i>Chemical Communications</i> , <b>2018</b> , 55, 95-98  | 5.8 | 19        |
| 38 | 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> , <b>2018</b> , 506, 339-346 | 3.4 | 1         |
| 37 | Recent Insights on Alzheimer's Disease Originating from Yeast Models. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,   | 6.3 | 16        |
| 36 | A novel live-cell imaging system reveals a reversible hydrostatic pressure impact on cell-cycle progression. <i>Journal of Cell Science</i> , <b>2018</b> , 131,   | 5.3 | 1         |
| 35 | Dependency relationships within the fission yeast polarity network. <i>FEBS Letters</i> , <b>2018</b> , 592, 2543-2549   | 3.8 |           |
| 34 | An enhanced recombinant amino-terminal acetylation system and novel in vivo high-throughput screen for molecules affecting $\beta$ synuclein oligomerisation. <i>FEBS Letters</i> , <b>2017</b> , 591, 833-841                                       | 3.8 | 12        |
| 33 | Live Cell Imaging in Fission Yeast. <i>Cold Spring Harbor Protocols</i> , <b>2017</b> , 2017, pdb.top090621  | 1.2 | 6         |

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|----|---|------|-----|
| 32 | Tropomyosin-Mediated Regulation of Cytoplasmic Myosins. <i>Traffic</i> , <b>2016</b> , 17, 872-7  | 5.7  | 25  |
| 31 | TOR complex 2 localises to the cytokinetic actomyosin ring and controls the fidelity of cytokinesis. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 2613-24  | 5.3  | 13  |
| 30 | Analysis of biophysical and functional consequences of tropomyosin-fluorescent protein fusions. <i>FEBS Letters</i> , <b>2016</b> , 590, 3111-21  | 3.8  | 9   |
| 29 | Tropomyosin - master regulator of actin filament function in the cytoskeleton. <i>Journal of Cell Science</i> , <b>2015</b> , 128, 2965-74  | 5.3  | 159 |
| 28 | Formins determine the functional properties of actin filaments in yeast. <i>Current Biology</i> , <b>2014</b> , 24, 1525-30   | 5.0  | 67  |
| 27 | Solution structure of a bacterial microcompartment targeting peptide and its application in the construction of an ethanol bioreactor. <i>ACS Synthetic Biology</i> , <b>2014</b> , 3, 454-465  | 5.7  | 125 |
| 26 | Using fluorescence to study actomyosin in yeasts. <i>Exs</i> , <b>2014</b> , 105, 277-98  |      |     |
| 25 | Production of amino-terminally acetylated recombinant proteins in E. coli. <i>Methods in Molecular Biology</i> , <b>2013</b> , 981, 193-200   | 1.4  | 12  |
| 24 | 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> , <b>2011</b> , 27, 13888-96 | 4    | 36  |
| 23 | 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> , <b>2011</b> , 438, 265-73                                   | 3.8  | 9   |
| 22 | Regulation and function of the fission yeast myosins. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 1383-90   | 5.3  | 9   |
| 21 | Targeted amino-terminal acetylation of recombinant proteins in E. coli. <i>PLoS ONE</i> , <b>2010</b> , 5, e15801   | 3.7  | 90  |
| 20 | 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> , <b>2010</b> , 123, 3235-43                   | 5.3  | 72  |
| 19 | Synthesis of empty bacterial microcompartments, directed organelle protein incorporation, and evidence of filament-associated organelle movement. <i>Molecular Cell</i> , <b>2010</b> , 38, 305-15  | 17.6 | 155 |
| 18 | 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> , <b>2009</b> , 122, 4330-40  | 5.3  | 21  |
| 17 | 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> , <b>2009</b> , 122, 3862-72                             | 5.3  | 18  |
| 16 | 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> , <b>2009</b> , 122, 3856-61                         | 5.3  | 25  |
| 15 | Acetylation regulates tropomyosin function in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Journal of Cell Science</i> , <b>2007</b> , 120, 1635-45  | 5.3  | 68  |

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|----|---|------|-----|
| 14 | In vivo movement of the type V myosin Myo52 requires dimerisation but is independent of the neck domain. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 4093-8   | 5.3  | 20  |
| 13 | 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> , <b>2006</b> , 63, 149-61   |      | 40  |
| 12 | The Fission Yeast Actomyosin Cytoskeleton <b>2004</b> , 225-242   |      | 4   |
| 11 | Role of the two type II myosins, Myo2 and Myp2, in cytokinetic actomyosin ring formation and function in fission yeast. <i>Cytoskeleton</i> , <b>2003</b> , 54, 208-16  |      | 27  |
| 10 | Myosin-cell wall interactions during cytokinesis in fission yeast: a framework for understanding plant cytokinesis?. <i>Cell Biology International</i> , <b>2003</b> , 27, 239-40   | 4.5  | 2   |
| 9  | Take five: a myosin class act in fission yeast. <i>Cytoskeleton</i> , <b>2002</b> , 51, 53-6  |      | 9   |
| 8  | 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> , <b>2002</b> , 115, 3575-86    | 5.3  | 29  |
| 7  | The role of Plo1 kinase in mitotic commitment and septation in <i>Schizosaccharomyces pombe</i> . <i>EMBO Journal</i> , <b>2001</b> , 20, 1259-70   | 13   | 125 |
| 6  | Shedding a little light on light chains. <i>Nature Cell Biology</i> , <b>2001</b> , 3, E10-2  | 23.4 | 4   |
| 5  | Myosin V-mediated vacuole distribution and fusion in fission yeast. <i>Current Biology</i> , <b>2001</b> , 11, 1124-7   | 6.3  | 24  |
| 4  | 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> , <b>2001</b> , 12, 4044-53 | 3.5  | 27  |
| 3  | Cytokinesis in fission yeast: a myosin pas de deux. <i>Microscopy Research and Technique</i> , <b>2000</b> , 49, 152-60   | 2.8  | 13  |
| 2  | 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> , <b>1999</b> , 10, 2771-85   | 3.5  | 126 |
| 1  | Anionic Self-Assembling Supramolecular Enhancers of Antimicrobial Efficacy against Gram-Negative Bacteria. <i>Advanced Therapeutics</i> , 2200024   | 4.9  | 2   |