

# Meera C Viswanathan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10455464/publications.pdf>

Version: 2024-02-01

16  
papers

327  
citations

840776

11  
h-index

940533

16  
g-index

18  
all docs

18  
docs citations

18  
times ranked

517  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                         | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Imaging neural activity in the ventral nerve cord of behaving adult <i>Drosophila</i> . <i>Nature Communications</i> , 2018, 9, 4390.                                                                                                                           | 12.8 | 62        |
| 2  | Pseudo-acetylation of K326 and K328 of actin disrupts <i>Drosophila melanogaster</i> indirect flight muscle structure and performance. <i>Frontiers in Physiology</i> , 2015, 6, 116.                                                                           | 2.8  | 33        |
| 3  | Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. <i>Cardiovascular Research</i> , 2016, 110, 238-248.                                                                                                                         | 3.8  | 31        |
| 4  | Modest overexpression of <i>FOXO</i> maintains cardiac proteostasis and ameliorates age-associated functional decline. <i>Aging Cell</i> , 2017, 16, 93-103.                                                                                                    | 6.7  | 31        |
| 5  | Distortion of the Actin A-Triad Results in Contractile Disinhibition and Cardiomyopathy. <i>Cell Reports</i> , 2017, 20, 2612-2625.                                                                                                                             | 6.4  | 26        |
| 6  | Prolonged cross-bridge binding triggers muscle dysfunction in a <i>Drosophila</i> model of myosin-based hypertrophic cardiomyopathy. <i>ELife</i> , 2018, 7, .                                                                                                  | 6.0  | 26        |
| 7  | <i>TNNT2</i> mutations in the tropomyosin binding region of TNT1 disrupt its role in contractile inhibition and stimulate cardiac dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18822-18831. | 7.1  | 21        |
| 8  | CaMKII oxidation is a critical performance/disease trade-off acquired at the dawn of vertebrate evolution. <i>Nature Communications</i> , 2021, 12, 3175.                                                                                                       | 12.8 | 19        |
| 9  | Myosin storage myopathy mutations yield defective myosin filament assembly in vitro and disrupted myofibrillar structure and function in vivo. <i>Human Molecular Genetics</i> , 2017, 26, 4799-4813.                                                           | 2.9  | 16        |
| 10 | A role for actin flexibility in thin filament-mediated contractile regulation and myopathy. <i>Nature Communications</i> , 2020, 11, 2417.                                                                                                                      | 12.8 | 16        |
| 11 | Cardiac-Restricted Expression of VCP/TER94 RNAi or Disease Alleles Perturbs <i>Drosophila</i> Heart Structure and Impairs Function. <i>Journal of Cardiovascular Development and Disease</i> , 2016, 3, 19.                                                     | 1.6  | 14        |
| 12 | Conservation of cardiac L-type Ca <sup>2+</sup> channels and their regulation in <i>Drosophila</i> : A novel genetically-pliable channelopathic model. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 119, 64-74.                                  | 1.9  | 9         |
| 13 | A Restrictive Cardiomyopathy Mutation in an Invariant Proline at the Myosin Head/Rod Junction Enhances Head Flexibility and Function, Yielding Muscle Defects in <i>Drosophila</i> . <i>Journal of Molecular Biology</i> , 2016, 428, 2446-2461.                | 4.2  | 8         |
| 14 | Myosin dilated cardiomyopathy mutation S532P disrupts actomyosin interactions, leading to altered muscle kinetics, reduced locomotion, and cardiac dilation in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , 2021, 32, 1690-1706.                  | 2.1  | 8         |
| 15 | Quantifying Tissue-Specific Overexpression of FOXO in <i>Drosophila</i> via mRNA Fluorescence In Situ Hybridization Using Branched DNA Probe Technology. <i>Methods in Molecular Biology</i> , 2019, 1890, 171-190.                                             | 0.9  | 3         |
| 16 | The R369 Myosin Residue within Loop 4 Is Critical for Actin Binding and Muscle Function in <i>Drosophila</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2533.                                                                             | 4.1  | 1         |