

# Matthew A Caporizzo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7180027/publications.pdf>

Version: 2024-02-01

18  
papers

1,021  
citations

759233

12  
h-index

839539

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1641  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Transcriptional, Post-Transcriptional, and Post-Translational Mechanisms Rewrite the Tubulin Code During Cardiac Hypertrophy and Failure. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 837486. | 3.7  | 8         |
| 2  | Cochlear supporting cells require GAS2 for cytoskeletal architecture and hearing. <i>Developmental Cell</i> , 2021, 56, 1526-1540.e7.  | 7.0  | 18        |
| 3  | Pathogenic LMNA variants disrupt cardiac lamina-chromatin interactions and de-repress alternative fate genes. <i>Cell Stem Cell</i> , 2021, 28, 938-954.e9.  | 11.1 | 61        |
| 4  | Need for Speed: The Importance of Physiological Strain Rates in Determining Myocardial Stiffness. <i>Frontiers in Physiology</i> , 2021, 12, 696694.   | 2.8  | 16        |
| 5  | Truncated titin proteins in dilated cardiomyopathy. <i>Science Translational Medicine</i> , 2021, 13, eabd7287.  | 12.4 | 39        |
| 6  | Processivity and Velocity for Motors Stepping on Periodic Tracks. <i>Biophysical Journal</i> , 2020, 118, 1537-1551.   | 0.5  | 6         |
| 7  | Microtubules Increase Diastolic Stiffness in Failing Human Cardiomyocytes and Myocardium. <i>Circulation</i> , 2020, 141, 902-915.   | 1.6  | 63        |
| 8  | Depletion of Vasohibin 1 Speeds Contraction and Relaxation in Failing Human Cardiomyocytes. <i>Circulation Research</i> , 2020, 127, e14-e27.  | 4.5  | 32        |
| 9  | Cardiac microtubules in health and heart disease. <i>Experimental Biology and Medicine</i> , 2019, 244, 1255-1272.   | 2.4  | 72        |
| 10 | The Antiparallel Dimerization of Myosin X Imparts Bundle Selectivity for Processive Motility. <i>Biophysical Journal</i> , 2018, 114, 1400-1410.   | 0.5  | 12        |
| 11 | Suppression of detyrosinated microtubules improves cardiomyocyte function in human heart failure. <i>Nature Medicine</i> , 2018, 24, 1225-1233.  | 30.7 | 191       |
| 12 | Intracellular nanoparticle dynamics affected by cytoskeletal integrity. <i>Soft Matter</i> , 2017, 13, 1873-1880.  | 2.7  | 44        |
| 13 | Competitive Adsorption of Polyelectrolytes onto and into Pellicle-Coated Hydroxyapatite Investigated by QCM-D and Force Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13079-13091.      | 8.0  | 16        |
| 14 | Network confinement and heterogeneity slows nanoparticle diffusion in polymer gels. <i>Journal of Chemical Physics</i> , 2017, 146, 203318.  | 3.0  | 58        |
| 15 | Detyrosinated microtubules buckle and bear load in contracting cardiomyocytes. <i>Science</i> , 2016, 352, aaf0659.  | 12.6 | 251       |
| 16 | Nano-rheology of hydrogels using direct drive force modulation atomic force microscopy. <i>Soft Matter</i> , 2015, 11, 8165-8178.  | 2.7  | 78        |
| 17 | Gold Nanorod Linking to Control Plasmonic Properties in Solution and Polymer Nanocomposites. <i>Langmuir</i> , 2014, 30, 1906-1914.  | 3.5  | 47        |
| 18 | Nanoscale Topography Mediates the Adhesion of F-Actin. <i>Langmuir</i> , 2012, 28, 12216-12224.  | 3.5  | 8         |