Meera C Viswanathan

List of Publications by Year
in descending order

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

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16	327	840776 11	940533 16
papers	citations	h-index	g-index

18	18	18	517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The R369 Myosin Residue within Loop 4 Is Critical for Actin Binding and Muscle Function in Drosophila. International Journal of Molecular Sciences, 2022, 23, 2533.	4.1	1
2	CaMKII oxidation is a critical performance/disease trade-off acquired at the dawn of vertebrate evolution. Nature Communications, 2021, 12, 3175.	12.8	19
3	Myosin dilated cardiomyopathy mutation S532P disrupts actomyosin interactions, leading to altered muscle kinetics, reduced locomotion, and cardiac dilation in Drosophila. Molecular Biology of the Cell, 2021, 32, 1690-1706.	2.1	8
4	TNNT2 mutations in the tropomyosin binding region of TNT1 disrupt its role in contractile inhibition and stimulate cardiac dysfunction. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18822-18831.	7.1	21
5	A role for actin flexibility in thin filament-mediated contractile regulation and myopathy. Nature Communications, 2020, 11, 2417.	12.8	16
6	Quantifying Tissue-Specific Overexpression of FOXO in Drosophila via mRNA Fluorescence In Situ Hybridization Using Branched DNA Probe Technology. Methods in Molecular Biology, 2019, 1890, 171-190.	0.9	3
7	Conservation of cardiac L-type Ca2+ channels and their regulation in Drosophila: A novel genetically-pliable channelopathic model. Journal of Molecular and Cellular Cardiology, 2018, 119, 64-74.	1.9	9
8	Imaging neural activity in the ventral nerve cord of behaving adult Drosophila. Nature Communications, 2018, 9, 4390.	12.8	62
9	Prolonged cross-bridge binding triggers muscle dysfunction in a Drosophila model of myosin-based hypertrophic cardiomyopathy. ELife, 2018, 7, .	6.0	26
10	Modest overexpression of <scp>FOXO</scp> maintains cardiac proteostasis and ameliorates ageâ€associated functional decline. Aging Cell, 2017, 16, 93-103.	6.7	31
11	Distortion of the Actin A-Triad Results in Contractile Disinhibition and Cardiomyopathy. Cell Reports, 2017, 20, 2612-2625.	6.4	26
12	Myosin storage myopathy mutations yield defective myosin filament assembly in vitro and disrupted myofibrillar structure and function in vivo. Human Molecular Genetics, 2017, 26, 4799-4813.	2.9	16
13	Cardiac-Restricted Expression of VCP/TER94 RNAi or Disease Alleles Perturbs Drosophila Heart Structure and Impairs Function. Journal of Cardiovascular Development and Disease, 2016, 3, 19.	1.6	14
14	A Restrictive Cardiomyopathy Mutation in an Invariant Proline at the Myosin Head/Rod Junction Enhances Head Flexibility and Function, Yielding Muscle Defects in Drosophila. Journal of Molecular Biology, 2016, 428, 2446-2461.	4.2	8
15	Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. Cardiovascular Research, 2016, 110, 238-248.	3.8	31
16	Pseudo-acetylation of K326 and K328 of actin disrupts Drosophila melanogaster indirect flight muscle structure and performance. Frontiers in Physiology, 2015, 6, 116.	2.8	33