

Darius Vasco Käster

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,377
citations

840776

11
h-index

1058476

14
g-index

21
all docs

21
docs citations

21
times ranked

2082
citing authors

#	ARTICLE	IF	CITATIONS
1	Cells Respond to Mechanical Stress by Rapid Disassembly of Caveolae. <i>Cell</i> , 2011, 144, 402-413.	28.9	791
2	Actomyosin dynamics drive local membrane component organization in an in vitro active composite layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1645-54.	7.1	131
3	Cortical actin and the plasma membrane: inextricably intertwined. <i>Current Opinion in Cell Biology</i> , 2016, 38, 81-89.	5.4	98
4	A composition-dependent molecular clutch between T cell signaling condensates and actin. <i>ELife</i> , 2019, 8, .	6.0	86
5	Unexpected Membrane Dynamics Unveiled by Membrane Nanotube Extrusion. <i>Biophysical Journal</i> , 2013, 104, 1248-1256.	0.5	70
6	EHD2 is a mechanotransducer connecting caveolae dynamics with gene transcription. <i>Journal of Cell Biology</i> , 2018, 217, 4092-4105.	5.2	63
7	Dystrophy-associated caveolin-3 mutations reveal that caveolae couple IL6/STAT3 signaling with mechanosensing in human muscle cells. <i>Nature Communications</i> , 2019, 10, 1974.	12.8	55
8	Calponin-homology domain mediated bending of membrane-associated actin filaments. <i>ELife</i> , 2021, 10, .	6.0	21
9	Phosphoregulation of tropomyosin is crucial for actin cable turnover and division site placement. <i>Journal of Cell Biology</i> , 2019, 218, 3548-3559.	5.2	16
10	Myosin II Filament Dynamics in Actin Networks Revealed with Interferometric Scattering Microscopy. <i>Biophysical Journal</i> , 2020, 118, 1946-1957.	0.5	14
11	Stratification relieves constraints from steric hindrance in the generation of compact actomyosin asters at the membrane cortex. <i>Science Advances</i> , 2020, 6, eaay6093.	10.3	14
12	Tailor-Made Ezrin Actin Binding Domain to Probe Its Interaction with Actin In-Vitro. <i>PLoS ONE</i> , 2015, 10, e0123428.	2.5	7
13	A Python based automated tracking routine for myosin II filaments. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 304002.	2.8	5
14	Characterization of Actin Modulating Proteins in the Cytokinetic Ring Machinery of Yeast using a Minimal In-Vitro System. <i>Biophysical Journal</i> , 2018, 114, 649a.	0.5	1
15	Phosphoregulation of tropomyosin-actin interaction revealed using a genetic code expansion strategy. <i>Wellcome Open Research</i> , 2020, 5, 161.	1.8	0