

Karen E Kasza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2820297/publications.pdf>

Version: 2024-02-01

19
papers

1,650
citations

759233

12
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

2673
citing authors

#	ARTICLE	IF	CITATIONS
1	The cell as a material. <i>Current Opinion in Cell Biology</i> , 2007, 19, 101-107.	5.4	403
2	Cell volume change through water efflux impacts cell stiffness and stem cell fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8618-E8627.	7.1	362
3	Chapter 19 Mechanical Response of Cytoskeletal Networks. <i>Methods in Cell Biology</i> , 2008, 89, 487-519.	1.1	180
4	Dynamics and regulation of contractile actin-myosin networks in morphogenesis. <i>Current Opinion in Cell Biology</i> , 2011, 23, 30-38.	5.4	121
5	Spatiotemporal control of epithelial remodeling by regulated myosin phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11732-11737.	7.1	115
6	Measurement of nonlinear rheology of cross-linked biopolymer gels. <i>Soft Matter</i> , 2010, 6, 4120.	2.7	91
7	Anisotropy links cell shapes to tissue flow during convergent extension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13541-13551.	7.1	90
8	Molecular Basis of Filamin A-FilGAP Interaction and Its Impairment in Congenital Disorders Associated with Filamin A Mutations. <i>PLoS ONE</i> , 2009, 4, e4928.	2.5	65
9	Elasticity in Ionically Cross-Linked Neurofilament Networks. <i>Biophysical Journal</i> , 2010, 98, 2147-2153.	0.5	52
10	In-vitro perforation of the round window membrane via direct 3-D printed microneedles. <i>Biomedical Microdevices</i> , 2018, 20, 47.	2.8	51
11	Phase behavior and rheology of attractive rod-like particles. <i>Soft Matter</i> , 2009, 5, 2766.	2.7	31
12	Biophysical control of the cell rearrangements and cell shape changes that build epithelial tissues. <i>Current Opinion in Genetics and Development</i> , 2018, 51, 88-95.	3.3	27
13	Cellular defects resulting from disease-related myosin II mutations in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22205-22211.	7.1	17
14	Magnetic Twisting Cytometry. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.prot5599.	0.3	13
15	Using optogenetics to link myosin patterns to contractile cell behaviors during convergent extension. <i>Biophysical Journal</i> , 2021, 120, 4214-4229.	0.5	12
16	Manipulating the Patterns of Mechanical Forces That Shape Multicellular Tissues. <i>Physiology</i> , 2019, 34, 381-391.	3.1	9
17	Membrane curvature and connective fiber alignment in guinea pig round window membrane. <i>Acta Biomaterialia</i> , 2021, 136, 343-362.	8.3	7
18	Imaging Techniques for Measuring the Materials Properties of Cells. <i>Cold Spring Harbor Protocols</i> , 2011, 2011, pdb.top107.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Structural basis of filamin A–filGAP interaction and its impairment in congenital anomalies associated with filamin A mutations. FASEB Journal, 2009, 23, 704.1.	0.5	0