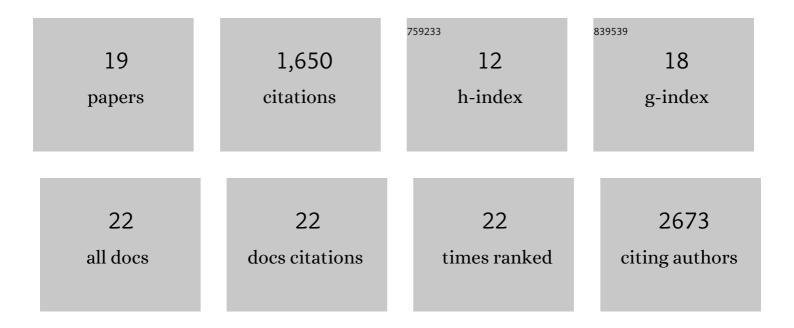
Karen E Kasza

List of Publications by Year in descending order

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

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