Mira F Krendel

List of Publications by Year in Descending Order

37 papers	1,966 citations	21 h-index	44 g-index
48 ext. papers	2,259 ext. citations	8.7 avg, IF	4.66 L-index

#	Paper	IF	Citations
37	Phagocytic 'teeth' and myosin-II 'jaw' power target constriction during phagocytosis. *ELife*, **2021**, 10,	8.9	2
36	Squeezing in a Meal: Myosin Functions in Phagocytosis. *Trends in Cell Biology*, **2020**, 30, 157-167	18.3	16
35	Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. *Nature Communications*, **2019**, 10, 1249	17.4	31
34	Human myosin 1e tail but not motor domain replaces fission yeast Myo1 domains to support myosin-I function during endocytosis. *Experimental Cell Research*, **2019**, 384, 111625	4.2	1
33	Tail domains of myosin-1e regulate phosphatidylinositol signaling and F-actin polymerization at the ventral layer of podosomes. *Molecular Biology of the Cell*, **2019**, 30, 622-635	3.5	13
32	Hic-5 remodeling of the stromal matrix promotes breast tumor progression. *Oncogene*, **2017**, 36, 2693-2703	7.3	31
31	Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3933-3938	11.5	12
30	Three-dimensional electron microscopy reveals the evolution of glomerular barrier injury. *Scientific Reports*, **2016**, 6, 35068	4.9	34
29	Myosin 1e promotes breast cancer malignancy by enhancing tumor cell proliferation and stimulating tumor cell de-differentiation. *Oncotarget*, **2016**, 7, 46419-46432	3.3	19
28	Class I myosin Myo1e regulates TLR4-triggered macrophage spreading, chemokine release, and antigen presentation via MHC class II. *European Journal of Immunology*, **2015**, 45, 225-37	6.1	22
27	Effects of FSGS-associated mutations on the stability and function of myosin-1 in fission yeast. *DMM Disease Models and Mechanisms*, **2015**, 8, 891-902	4.1	2
26	A Novel Suspended Hydrogel Membrane Platform for Cell Culture. *Journal of Nanotechnology in Engineering and Medicine*, **2015**, 6,		6
25	Visualization of cytoskeletal dynamics in podocytes using adenoviral vectors. *Cytoskeleton*, **2014**, 71, 145-56	2.4	4
24	Converting a binding protein into a biosensing conformational switch using protein fragment exchange. *Biochemistry*, **2014**, 53, 5505-14	3.2	17
23	Non-muscle myosins in tumor progression, cancer cell invasion, and metastasis. *Cytoskeleton*, **2014**, 71, 447-63	2.4	60
22	Myosin 1e is a component of the invadosome core that contributes to regulation of invadosome dynamics. *Experimental Cell Research*, **2014**, 322, 265-76	4.2	25
21	Myosin 1E localizes to actin polymerization sites in lamellipodia, affecting actin dynamics and adhesion formation. *Biology Open*, **2013**, 2, 1288-99	2.2	24

20	Myosin 1e is a component of the glomerular slit diaphragm complex that regulates actin reorganization during cell-cell contact formation in podocytes. *American Journal of Physiology - Renal Physiology*, **2013**, 305, F532-44	4.3	25
19	Podocyte-specific knockout of myosin 1e disrupts glomerular filtration. *American Journal of Physiology - Renal Physiology*, **2012**, 303, F1099-106	4.3	27
18	MYO1E mutations and childhood familial focal segmental glomerulosclerosis. *New England Journal of Medicine*, **2011**, 365, 295-306	59.2	195
17	Myo1e binds anionic phospholipids with high affinity. *Biochemistry*, **2010**, 49, 9353-60	3.2	41
16	Disruption of Myosin 1e promotes podocyte injury. *Journal of the American Society of Nephrology: JASN*, **2009**, 20, 86-94	12.7	71
15	Overview: Actin-Binding Protein Function and Its Relation to Disease Pathology **2008**, 65-82		
14	The Roles of Thymosin 4 in Cell Migration and Cell-to-Cell Signaling in Disease **2008**, 218-228		
13	Myosin 1E interacts with synaptojanin-1 and dynamin and is involved in endocytosis. *FEBS Letters*, **2007**, 581, 644-50	3.8	115
12	Myosins: tails (and heads) of functional diversity. *Physiology*, **2005**, 20, 239-51	9.8	255
11	p21-activated kinase 1 phosphorylates and regulates 14-3-3 binding to GEF-H1, a microtubule-localized Rho exchange factor. *Journal of Biological Chemistry*, **2004**, 279, 18392-400	5.4	133
10	Nucleotide exchange factor GEF-H1 mediates cross-talk between microtubules and the actin cytoskeleton. *Nature Cell Biology*, **2002**, 4, 294-301	23.4	496
9	Characterization of sea urchin unconventional myosins and analysis of their patterns of expression during early embryogenesis. *Molecular Reproduction and Development*, **2000**, 57, 111-26	2.6	8
8	Myosin-dependent contractile activity of the actin cytoskeleton modulates the spatial organization of cell-cell contacts in cultured epitheliocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 9666-70	11.5	51
7	Analysis of actin filament bundle dynamics during contact formation in live epithelial cells. *Cytoskeleton*, **1999**, 43, 296-309		52
6	Disassembly of actin filaments leads to increased rate and frequency of mitochondrial movement along microtubules. *Cytoskeleton*, **1998**, 40, 368-78		45
5	Dynamics of contacts between lamellae of fibroblasts: essential role of the actin cytoskeleton. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 4362-7	11.5	64
4	Cell-cell contact changes the dynamics of lamellar activity in nontransformed epitheliocytes but not in their ras-transformed descendants. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 879-83	11.5	49
3	Anaphase spindle dynamics under D2O-enhanced microtubule polymerization. *Biological Bulletin*, **1995**, 189, 204-5	1.5	7

2	Dynamics of active lamellae in cultured epithelial cells: effects of expression of exogenous N-ras oncogene. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 5322-5	11.5	9
1	Phagocytic teeth and myosin-II jaw power target constriction during phagocytosis		1