

Mira F Krendel

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Nucleotide exchange factor GEF-H1 mediates cross-talk between microtubules and the actin cytoskeleton. <i>Nature Cell Biology</i> , 2002 , 4, 294-301	23.4	496
36	Myosins: tails (and heads) of functional diversity. <i>Physiology</i> , 2005 , 20, 239-51	9.8	255
35	MYO1E mutations and childhood familial focal segmental glomerulosclerosis. <i>New England Journal of Medicine</i> , 2011 , 365, 295-306	59.2	195
34	p21-activated kinase 1 phosphorylates and regulates 14-3-3 binding to GEF-H1, a microtubule-localized Rho exchange factor. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18392-400	5.4	133
33	Myosin 1E interacts with synaptojanin-1 and dynamin and is involved in endocytosis. <i>FEBS Letters</i> , 2007 , 581, 644-50	3.8	115
32	Disruption of Myosin 1e promotes podocyte injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 86-94	12.7	71
31	Dynamics of contacts between lamellae of fibroblasts: essential role of the actin cytoskeleton. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 4362-7	11.5	64
30	Non-muscle myosins in tumor progression, cancer cell invasion, and metastasis. <i>Cytoskeleton</i> , 2014 , 71, 447-63	2.4	60
29	Analysis of actin filament bundle dynamics during contact formation in live epithelial cells. <i>Cytoskeleton</i> , 1999 , 43, 296-309		52
28	Myosin-dependent contractile activity of the actin cytoskeleton modulates the spatial organization of cell-cell contacts in cultured epitheliocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 9666-70	11.5	51
27	Cell-cell contact changes the dynamics of lamellar activity in nontransformed epitheliocytes but not in their ras-transformed descendants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 879-83	11.5	49
26	Disassembly of actin filaments leads to increased rate and frequency of mitochondrial movement along microtubules. <i>Cytoskeleton</i> , 1998 , 40, 368-78		45
25	Myo1e binds anionic phospholipids with high affinity. <i>Biochemistry</i> , 2010 , 49, 9353-60	3.2	41
24	Three-dimensional electron microscopy reveals the evolution of glomerular barrier injury. <i>Scientific Reports</i> , 2016 , 6, 35068	4.9	34
23	Hic-5 remodeling of the stromal matrix promotes breast tumor progression. <i>Oncogene</i> , 2017 , 36, 2693-2703		31
22	Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. <i>Nature Communications</i> , 2019 , 10, 1249	17.4	31
21	Podocyte-specific knockout of myosin 1e disrupts glomerular filtration. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F1099-106	4.3	27

20	Myosin 1e is a component of the invadosome core that contributes to regulation of invadosome dynamics. <i>Experimental Cell Research</i> , 2014 , 322, 265-76	4.2	25
19	Myosin 1e is a component of the glomerular slit diaphragm complex that regulates actin reorganization during cell-cell contact formation in podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F532-44	4.3	25
18	Myosin 1E localizes to actin polymerization sites in lamellipodia, affecting actin dynamics and adhesion formation. <i>Biology Open</i> , 2013 , 2, 1288-99	2.2	24
17	Class I myosin Myo1e regulates TLR4-triggered macrophage spreading, chemokine release, and antigen presentation via MHC class II. <i>European Journal of Immunology</i> , 2015 , 45, 225-37	6.1	22
16	Myosin 1e promotes breast cancer malignancy by enhancing tumor cell proliferation and stimulating tumor cell de-differentiation. <i>Oncotarget</i> , 2016 , 7, 46419-46432	3.3	19
15	Converting a binding protein into a biosensing conformational switch using protein fragment exchange. <i>Biochemistry</i> , 2014 , 53, 5505-14	3.2	17
14	Squeezing in a Meal: Myosin Functions in Phagocytosis. <i>Trends in Cell Biology</i> , 2020 , 30, 157-167	18.3	16
13	Tail domains of myosin-1e regulate phosphatidylinositol signaling and F-actin polymerization at the ventral layer of podosomes. <i>Molecular Biology of the Cell</i> , 2019 , 30, 622-635	3.5	13
12	Myosin-1E interacts with FAK proline-rich region 1 to induce fibronectin-type matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3933-3938	11.5	12
11	Dynamics of active lamellae in cultured epithelial cells: effects of expression of exogenous N-ras oncogene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5322-5	11.5	9
10	Characterization of sea urchin unconventional myosins and analysis of their patterns of expression during early embryogenesis. <i>Molecular Reproduction and Development</i> , 2000 , 57, 111-26	2.6	8
9	Anaphase spindle dynamics under D2O-enhanced microtubule polymerization. <i>Biological Bulletin</i> , 1995 , 189, 204-5	1.5	7
8	A Novel Suspended Hydrogel Membrane Platform for Cell Culture. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015 , 6,		6
7	Visualization of cytoskeletal dynamics in podocytes using adenoviral vectors. <i>Cytoskeleton</i> , 2014 , 71, 145-56	2.4	4
6	Effects of FSGS-associated mutations on the stability and function of myosin-1 in fission yeast. <i>DMM Disease Models and Mechanisms</i> , 2015 , 8, 891-902	4.1	2
5	Phagocytic 'teeth' and myosin-II 'jaw' power target constriction during phagocytosis. <i>ELife</i> , 2021 , 10,	8.9	2
4	Human myosin 1e tail but not motor domain replaces fission yeast Myo1 domains to support myosin-I function during endocytosis. <i>Experimental Cell Research</i> , 2019 , 384, 111625	4.2	1
3	Phagocytic Teeth and myosin-II Jaw power target constriction during phagocytosis		1

2 Overview: Actin-Binding Protein Function and Its Relation to Disease Pathology **2008**, 65-82

1 The Roles of Thymosin β 4 in Cell Migration and Cell-to-Cell Signaling in Disease **2008**, 218-228