

Mira F Krendel

List of Publications by Year in descending order

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40
papers

2,467
citations

331670

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345221

36
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48
all docs

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docs citations

48
times ranked

3285
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>AB11</i> -based expression signature predicts breast cancer metastasis and survival. <i>Molecular Oncology</i> , 2022, 16, 2632-2657.	4.6	7
2	Building the phagocytic cup on an actin scaffold. <i>Current Opinion in Cell Biology</i> , 2022, 77, 102112.	5.4	8
3	Phagocytic "teeth" and myosin-II "jaw" power target constriction during phagocytosis. <i>ELife</i> , 2021, 10, 6.0		35
4	Squeezing in a Meal: Myosin Functions in Phagocytosis. <i>Trends in Cell Biology</i> , 2020, 30, 157-167.	7.9	39
5	New Paradigm for Cytoskeletal Organization in Podocytes: Proteolytic Fragments of INF2 Formin Function Independently of INF2 Actin Regulatory Activity. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 235-236.	6.1	1
6	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.	2.6	6
7	Membrane-cytoskeletal crosstalk mediated by myosin-I regulates adhesion turnover during phagocytosis. <i>Nature Communications</i> , 2019, 10, 1249.	12.8	64
8	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.	2.1	17
9	Hic-5 remodeling of the stromal matrix promotes breast tumor progression. <i>Oncogene</i> , 2017, 36, 2693-2703.	5.9	42
10	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.	7.1	18
11	Three-dimensional electron microscopy reveals the evolution of glomerular barrier injury. <i>Scientific Reports</i> , 2016, 6, 35068.	3.3	51
12	Myosin 1e promotes breast cancer malignancy by enhancing tumor cell proliferation and stimulating tumor cell de-differentiation. <i>Oncotarget</i> , 2016, 7, 46419-46432.	1.8	30
13	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.	2.4	6
14	A Novel Suspended Hydrogel Membrane Platform for Cell Culture. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2015, 6, .	0.8	6
15	Class I myosin <i>Myo1e</i> regulates TLR-triggered macrophage spreading, chemokine release, and antigen presentation via MHC class II. <i>European Journal of Immunology</i> , 2015, 45, 225-237.	2.9	27
16	Visualization of cytoskeletal dynamics in podocytes using adenoviral vectors. <i>Cytoskeleton</i> , 2014, 71, 145-156.	2.0	8
17	Converting a Binding Protein into a Biosensing Conformational Switch Using Protein Fragment Exchange. <i>Biochemistry</i> , 2014, 53, 5505-5514.	2.5	21
18	Non-muscle myosins in tumor progression, cancer cell invasion, and metastasis. <i>Cytoskeleton</i> , 2014, 71, 447-463.	2.0	82

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19	Myosin 1e is a component of the invadosome core that contributes to regulation of invadosome dynamics. <i>Experimental Cell Research</i> , 2014, 322, 265-276.	2.6	34
20	Myosin 1E localizes to actin polymerization sites in lamellipodia, affecting actin dynamics and adhesion formation. <i>Biology Open</i> , 2013, 2, 1288-1299.	1.2	33
21	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-F544.	2.7	40
22	Podocyte-specific knockout of myosin 1e disrupts glomerular filtration. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F1099-F1106.	2.7	39
23	<i>MYO1E</i> Mutations and Childhood Familial Focal Segmental Glomerulosclerosis. <i>New England Journal of Medicine</i> , 2011, 365, 295-306.	27.0	221
24	Myo1e Binds Anionic Phospholipids with High Affinity. <i>Biochemistry</i> , 2010, 49, 9353-9360.	2.5	50
25	Disruption of Myosin 1e Promotes Podocyte Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 86-94.	6.1	91
26	Overview: Actin-Binding Protein Function and Its Relation to Disease Pathology. , 2008, , 65-82.		0
27	The Roles of Thymosin β 4 in Cell Migration and Cell-to-Cell Signaling in Disease. , 2008, , 218-228.		0
28	Myosin 1E interacts with synaptojanin-1 and dynamin and is involved in endocytosis. <i>FEBS Letters</i> , 2007, 581, 644-650.	2.8	137
29	Myosins: Tails (and Heads) of Functional Diversity. <i>Physiology</i> , 2005, 20, 239-251.	3.1	300
30	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, 18392-18400.	3.4	150
31	Nucleotide exchange factor GEF-H1 mediates cross-talk between microtubules and the actin cytoskeleton. <i>Nature Cell Biology</i> , 2002, 4, 294-301.	10.3	569
32	Characterization of sea urchin unconventional myosins and analysis of their patterns of expression during early embryogenesis. <i>Molecular Reproduction and Development</i> , 2000, 57, 111-126.	2.0	11
33	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, 9666-9670.	7.1	58
34	Analysis of actin filament bundle dynamics during contact formation in live epithelial cells. <i>Cytoskeleton</i> , 1999, 43, 296-309.	4.4	63
35	Disassembly of actin filaments leads to increased rate and frequency of mitochondrial movement along microtubules. , 1998, 40, 368-378.		52
36	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, 4362-4367.	7.1	70

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37	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, 879-883.	7.1	57
38	Anaphase Spindle Dynamics Under D20-enhanced Microtubule Polymerization. Biological Bulletin, 1995, 189, 204-205.	1.8	7
39	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, 5322-5325.	7.1	9
40	Focal segmental glomerulosclerosis and proteinuria associated with Myo1E mutations: novel variants and histological phenotype analysis. Pediatric Nephrology, 0, , .	1.7	0