

Michael Way

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137
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171
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ext. citations

10.5
avg, IF

5.99
L-index

#	Paper	IF	Citations
137	Actin-based motility of vaccinia virus mimics receptor tyrosine kinase signalling. <i>Nature</i> , 1999 , 401, 926-930	50.4	356
136	Actin-based motility of vaccinia virus. <i>Nature</i> , 1995 , 378, 636-8	50.4	355
135	Activation of MDA5 requires higher-order RNA structures generated during virus infection. <i>Journal of Virology</i> , 2009 , 83, 10761-9	6.6	321
134	A superhighway to virus infection. <i>Cell</i> , 2006 , 124, 741-54	56.2	307
133	Caveolin-3 associates with developing T-tubules during muscle differentiation. <i>Journal of Cell Biology</i> , 1997 , 136, 137-54	7.3	292
132	A complex of N-WASP and WIP integrates signalling cascades that lead to actin polymerization. <i>Nature Cell Biology</i> , 2000 , 2, 441-8	23.4	284
131	F-actin is an evolutionarily conserved damage-associated molecular pattern recognized by DNGR-1, a receptor for dead cells. <i>Immunity</i> , 2012 , 36, 635-45	32.3	282
130	Lamellipodin, an Ena/VASP ligand, is implicated in the regulation of lamellipodial dynamics. <i>Developmental Cell</i> , 2004 , 7, 571-83	10.2	247
129	Kinesin-dependent movement on microtubules precedes actin-based motility of vaccinia virus. <i>Nature Cell Biology</i> , 2001 , 3, 992-1000	23.4	236
128	Surfing pathogens and the lessons learned for actin polymerization. <i>Trends in Cell Biology</i> , 2001 , 11, 30-38	38.3	183
127	M-caveolin, a muscle-specific caveolin-related protein. <i>FEBS Letters</i> , 1995 , 376, 108-12	3.8	177
126	Coupling viruses to dynein and kinesin-1. <i>EMBO Journal</i> , 2011 , 30, 3527-39	13	158
125	Regulated exocytosis in neuroendocrine cells: a role for subplasmalemmal Cdc42/N-WASP-induced actin filaments. <i>Molecular Biology of the Cell</i> , 2004 , 15, 520-31	3.5	155
124	Determination of the alpha-actinin-binding site on actin filaments by cryoelectron microscopy and image analysis. <i>Journal of Cell Biology</i> , 1994 , 126, 433-43	7.3	148
123	Imaging macrophage chemotaxis in vivo: studies of microtubule function in zebrafish wound inflammation. <i>Cytoskeleton</i> , 2006 , 63, 415-22		147
122	Arp2/3-mediated actin-based motility: a tail of pathogen abuse. <i>Cell Host and Microbe</i> , 2013 , 14, 242-55	23.4	143
121	Kinesin-1-mediated capsid disassembly and disruption of the nuclear pore complex promote virus infection. <i>Cell Host and Microbe</i> , 2011 , 10, 210-23	23.4	143

120	Evidence for functional homology in the F-actin binding domains of gelsolin and alpha-actinin: implications for the requirements of severing and capping. <i>Journal of Cell Biology</i> , 1992 , 119, 835-42	7.3	142
119	Regulation of protein transport from the Golgi complex to the endoplasmic reticulum by CDC42 and N-WASP. <i>Molecular Biology of the Cell</i> , 2002 , 13, 866-79	3.5	138
118	SLP-76 coordinates Nck-dependent Wiskott-Aldrich syndrome protein recruitment with Vav-1/Cdc42-dependent Wiskott-Aldrich syndrome protein activation at the T cell-APC contact site. <i>Journal of Immunology</i> , 2003 , 171, 1360-8	5.3	135
117	Vaccinia virus infection disrupts microtubule organization and centrosome function. <i>EMBO Journal</i> , 2000 , 19, 3932-44	13	135
116	SRC mediates a switch from microtubule- to actin-based motility of vaccinia virus. <i>Science</i> , 2004 , 306, 124-9	33.3	133
115	Nucleotide sequence of pig plasma gelsolin. Comparison of protein sequence with human gelsolin and other actin-severing proteins shows strong homologies and evidence for large internal repeats. <i>Journal of Molecular Biology</i> , 1988 , 203, 1127-33	6.5	132
114	Viral manipulations of the actin cytoskeleton. <i>Trends in Microbiology</i> , 1997 , 5, 142-8	12.4	127
113	Grb2 and Nck act cooperatively to promote actin-based motility of vaccinia virus. <i>Current Biology</i> , 2002 , 12, 740-5	6.3	125
112	Phosphatidylinositol 4,5-bisphosphate (PIP ₂)-induced vesicle movement depends on N-WASP and involves Nck, WIP, and Grb2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 37771-6	5.4	120
111	A phosphatidylinositol 3-kinase-independent insulin signaling pathway to N-WASP/Arp2/3/F-actin required for GLUT4 glucose transporter recycling. <i>Journal of Biological Chemistry</i> , 2002 , 277, 509-15	5.4	117
110	Expression of the N-terminal domain of dystrophin in E. coli and demonstration of binding to F-actin. <i>FEBS Letters</i> , 1992 , 301, 243-5	3.8	117
109	Viral transport and the cytoskeleton. <i>Current Opinion in Cell Biology</i> , 2001 , 13, 97-105	9	113
108	The rate of N-WASP exchange limits the extent of ARP2/3-complex-dependent actin-based motility. <i>Nature</i> , 2009 , 458, 87-91	50.4	112
107	Molecular characterization of caveolin association with the Golgi complex: identification of a cis-Golgi targeting domain in the caveolin molecule. <i>Journal of Cell Biology</i> , 1999 , 145, 1443-59	7.3	107
106	Interactions between vaccinia virus IEV membrane proteins and their roles in IEV assembly and actin tail formation. <i>Journal of Virology</i> , 1999 , 73, 2863-75	6.6	106
105	Isoform diversity in the Arp2/3 complex determines actin filament dynamics. <i>Nature Cell Biology</i> , 2016 , 18, 76-86	23.4	105
104	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. <i>Genes and Development</i> , 2013 , 27, 654-69	12.6	103
103	Tyrosine phosphorylation is required for actin-based motility of vaccinia but not Listeria or Shigella. <i>Current Biology</i> , 1999 , 9, 89-92	6.3	95

102	Vaccinia virus-induced cell motility requires F1L-mediated inhibition of RhoA signaling. <i>Science</i> , 2006 , 311, 377-81	33.3	93
101	Open source software for quantification of cell migration, protrusions, and fluorescence intensities. <i>Journal of Cell Biology</i> , 2015 , 209, 163-80	7.3	92
100	A dynamic podosome-like structure of epithelial cells. <i>Experimental Cell Research</i> , 2004 , 295, 360-74	4.2	91
99	A role for VASP in RhoA-Diaphanous signalling to actin dynamics and SRF activity. <i>EMBO Journal</i> , 2003 , 22, 3050-61	13	86
98	Abl collaborates with Src family kinases to stimulate actin-based motility of vaccinia virus. <i>Cellular Microbiology</i> , 2006 , 8, 233-41	3.9	83
97	Transport of African swine fever virus from assembly sites to the plasma membrane is dependent on microtubules and conventional kinesin. <i>Journal of Virology</i> , 2004 , 78, 7990-8001	6.6	77
96	Analysis of the mechanisms of Salmonella-induced actin assembly during invasion of host cells and intracellular replication. <i>Cellular Microbiology</i> , 2004 , 6, 1041-55	3.9	77
95	Signaling during pathogen infection. <i>Science Signaling</i> , 2006 , 2006, re5	8.8	69
94	Ena/VASP proteins cooperate with the WAVE complex to regulate the actin cytoskeleton. <i>Developmental Cell</i> , 2014 , 30, 569-84	10.2	68
93	Two of the three actin-binding domains of gelsolin bind to the same subdomain of actin. Implications of capping and severing mechanisms. <i>FEBS Letters</i> , 1991 , 280, 70-4	3.8	67
92	Myofibril contraction and crosslinking drive nuclear movement to the periphery of skeletal muscle. <i>Nature Cell Biology</i> , 2017 , 19, 1189-1201	23.4	66
91	A kinesin-1 binding motif in vaccinia virus that is widespread throughout the human genome. <i>EMBO Journal</i> , 2011 , 30, 4523-38	13	66
90	The release of vaccinia virus from infected cells requires RhoA-mDia modulation of cortical actin. <i>Cell Host and Microbe</i> , 2007 , 1, 227-40	23.4	66
89	Both calmodulin and the unconventional myosin Myr4 regulate membrane trafficking along the recycling pathway of MDCK cells. <i>Traffic</i> , 2000 , 1, 494-503	5.7	66
88	Interaction of F1L with the BH3 domain of Bak is responsible for inhibiting vaccinia-induced apoptosis. <i>Cell Death and Differentiation</i> , 2006 , 13, 1651-62	12.7	65
87	M-caveolin, a muscle-specific caveolin-related protein. <i>FEBS Letters</i> , 1996 , 378, 108-12	3.8	64
86	Virus-induced cell motility. <i>Journal of Virology</i> , 1998 , 72, 1235-43	6.6	64
85	Vaccinia virus F1L protein promotes virulence by inhibiting inflammasome activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7808-13	11.5	63

84	The WH1 and EVH1 domains of WASP and Ena/VASP family members bind distinct sequence motifs. <i>Current Biology</i> , 2002 , 12, 1617-22	6.3	62
83	APC/C Dysfunction Limits Excessive Cancer Chromosomal Instability. <i>Cancer Discovery</i> , 2017 , 7, 218-233	24.4	61
82	Characterisation of the F-actin binding domains of villin: classification of F-actin binding proteins into two groups according to their binding sites on actin. <i>FEBS Letters</i> , 1994 , 338, 58-62	3.8	61
81	F11L-mediated inhibition of RhoA-mDia signaling stimulates microtubule dynamics during vaccinia virus infection. <i>Cell Host and Microbe</i> , 2007 , 1, 213-26	23.4	59
80	Determination of the gelsolin binding site on F-actin: implications for severing and capping. <i>Biophysical Journal</i> , 1998 , 74, 764-72	2.9	59
79	Mitochondria mediate septin cage assembly to promote autophagy of Shigella. <i>EMBO Reports</i> , 2016 , 17, 1029-43	6.5	58
78	The conformational state of Tes regulates its zyxin-dependent recruitment to focal adhesions. <i>Journal of Cell Biology</i> , 2003 , 161, 33-9	7.3	56
77	Leucine 255 of Src couples intramolecular interactions to inhibition of catalysis. <i>Nature Structural Biology</i> , 1999 , 6, 760-4		54
76	Tes, a specific Mena interacting partner, breaks the rules for EVH1 binding. <i>Molecular Cell</i> , 2007 , 28, 1071-82	17.8	53
75	A neural Wiskott-Aldrich Syndrome protein-mediated pathway for localized activation of actin polymerization that is regulated by cortactin. <i>Journal of Biological Chemistry</i> , 2005 , 280, 5836-42	5.4	53
74	WIP provides an essential link between Nck and N-WASP during Arp2/3-dependent actin polymerization. <i>Current Biology</i> , 2013 , 23, 999-1006	6.3	51
73	Kidins220/ARMS is transported by a kinesin-1-based mechanism likely to be involved in neuronal differentiation. <i>Molecular Biology of the Cell</i> , 2007 , 18, 142-52	3.5	49
72	Cdc42 and the Rho GEF intersectin-1 collaborate with Nck to promote N-WASP-dependent actin polymerisation. <i>Journal of Cell Science</i> , 2014 , 127, 673-85	5.3	47
71	African swine fever virus induces filopodia-like projections at the plasma membrane. <i>Cellular Microbiology</i> , 2006 , 8, 1803-11	3.9	47
70	A role for N-WASP in invasin-promoted internalisation. <i>FEBS Letters</i> , 2001 , 509, 59-65	3.8	46
69	Structure of the Complex of F-Actin and DNGR-1, a C-Type Lectin Receptor Involved in Dendritic Cell Cross-Presentation of Dead Cell-Associated Antigens. <i>Immunity</i> , 2015 , 42, 839-849	32.3	45
68	An additional exon in the human vinculin gene specifically encodes meta-vinculin-specific difference peptide. Cross-species comparison reveals variable and conserved motifs in the meta-vinculin insert. <i>FEBS Journal</i> , 1992 , 204, 767-72		45
67	Correlative super-resolution fluorescence and electron microscopy using conventional fluorescent proteins in vacuo. <i>Journal of Structural Biology</i> , 2017 , 199, 120-131	3.4	44

66	Actin and cell pathogenesis. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 62-9	9	44
65	Actin-binding proteins. Cytoskeletal ups and downs. <i>Nature</i> , 1990 , 344, 292-4	50.4	44
64	F11-mediated inhibition of RhoA signalling enhances the spread of vaccinia virus in vitro and in vivo in an intranasal mouse model of infection. <i>PLoS ONE</i> , 2009 , 4, e8506	3.7	43
63	Wiskott-Aldrich Syndrome Interacting Protein Deficiency Uncovers the Role of the Co-receptor CD19 as a Generic Hub for PI3 Kinase Signaling in B Cells. <i>Immunity</i> , 2015 , 43, 660-73	32.3	42
62	Integrin-linked kinase controls vascular wall formation by negatively regulating Rho/ROCK-mediated vascular smooth muscle cell contraction. <i>Genes and Development</i> , 2009 , 23, 2278-83	12.6	42
61	Nck- and N-WASP-dependent actin-based motility is conserved in divergent vertebrate poxviruses. <i>Cell Host and Microbe</i> , 2009 , 6, 536-50	23.4	42
60	Multiple WASP-interacting protein recognition motifs are required for a functional interaction with N-WASP. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8446-53	5.4	42
59	G-actin regulates the shuttling and PP1 binding of the RPEL protein Phactr1 to control actomyosin assembly. <i>Journal of Cell Science</i> , 2012 , 125, 5860-72	5.3	39
58	The non-canonical roles of clathrin and actin in pathogen internalization, egress and spread. <i>Nature Reviews Microbiology</i> , 2013 , 11, 551-60	22.2	38
57	Clathrin potentiates vaccinia-induced actin polymerization to facilitate viral spread. <i>Cell Host and Microbe</i> , 2012 , 12, 346-59	23.4	38
56	Cdc42 is required for membrane dependent actin polymerization in vitro. <i>FEBS Letters</i> , 1998 , 427, 353-6	3.8	36
55	conformation and phasing of dystrophin structural repeats. <i>Journal of Molecular Biology</i> , 1994 , 235, 1271-7	6.7	36
54	Dynamin is required for F-actin assembly and pedestal formation by enteropathogenic Escherichia coli (EPEC). <i>Cellular Microbiology</i> , 2007 , 9, 438-49	3.9	35
53	An E2-F12 complex is required for intracellular enveloped virus morphogenesis during vaccinia infection. <i>Cellular Microbiology</i> , 2009 , 11, 808-24	3.9	32
52	Effects of ectopically expressed neuronal Wiskott-Aldrich syndrome protein domains on Rickettsia rickettsii actin-based motility. <i>Infection and Immunity</i> , 2003 , 71, 1551-6	3.7	31
51	The Escherichia coli effector EspJ blocks Src kinase activity via amidation and ADP ribosylation. <i>Nature Communications</i> , 2014 , 5, 5887	17.4	30
50	Subproteome analysis of the neutrophil cytoskeleton. <i>Proteomics</i> , 2009 , 9, 2037-49	4.8	30
49	Vaccinia-induced epidermal growth factor receptor-MEK signalling and the anti-apoptotic protein F1L synergize to suppress cell death during infection. <i>Cellular Microbiology</i> , 2009 , 11, 1208-18	3.9	30

48	Vaccinia virus F11 promotes viral spread by acting as a PDZ-containing scaffolding protein to bind myosin-9A and inhibit RhoA signaling. <i>Cell Host and Microbe</i> , 2013 , 14, 51-62	23.4	28
47	Nck and Cdc42 co-operate to recruit N-WASP to promote FcR-mediated phagocytosis. <i>Journal of Cell Science</i> , 2012 , 125, 2825-30	5.3	28
46	Molecular model of an actin filament capped by a severing protein. <i>Journal of Structural Biology</i> , 1995 , 115, 144-50	3.4	28
45	The role of signalling and the cytoskeleton during Vaccinia Virus egress. <i>Virus Research</i> , 2015 , 209, 87-99.	6.4	26
44	Molecular recognition of the Tes LIM2-3 domains by the actin-related protein Arp7A. <i>Journal of Biological Chemistry</i> , 2011 , 286, 11543-54	5.4	26
43	Insights into Kinesin-1 Activation from the Crystal Structure of KLC2 Bound to JIP3. <i>Structure</i> , 2018 , 26, 1486-1498.e6	5.2	24
42	Binding of phosphate, aluminum fluoride, or beryllium fluoride to F-actin inhibits severing by gelsolin. <i>Journal of Biological Chemistry</i> , 1996 , 271, 4665-70	5.4	19
41	Septins suppress the release of vaccinia virus from infected cells. <i>Journal of Cell Biology</i> , 2018 , 217, 2911-2929.	7.9	18
40	The vaccinia virus-encoded Bcl-2 homologues do not act as direct Bax inhibitors. <i>Journal of Virology</i> , 2012 , 86, 203-13	6.6	18
39	In vitro approaches to study actin and microtubule dependent cell processes. <i>Current Opinion in Cell Biology</i> , 1999 , 11, 152-8	9	18
38	Loss of cytoskeletal transport during egress critically attenuates ectromelia virus infection in vivo. <i>Journal of Virology</i> , 2012 , 86, 7427-43	6.6	17
37	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay. <i>Cytometry</i> , 2000 , 41, 46-54		16
36	RhoD Inhibits RhoC-ROCK-Dependent Cell Contraction via PAK6. <i>Developmental Cell</i> , 2017 , 41, 315-329.e7.	7.2	14
35	NPF motifs in the vaccinia virus protein A36 recruit intersectin-1 to promote Cdc42:N-WASP-mediated viral release from infected cells. <i>Nature Microbiology</i> , 2016 , 1, 16141	26.6	14
34	Standard fluorescent proteins as dual-modality probes for correlative experiments in an integrated light and electron microscope. <i>Journal of Chemical Biology</i> , 2015 , 8, 179-188		14
33	The vaccinia virus F17R protein interacts with actin. <i>FEBS Letters</i> , 1997 , 409, 141-6	3.8	14
32	Cytoplasmic ATR Activation Promotes Vaccinia Virus Genome Replication. <i>Cell Reports</i> , 2017 , 19, 1022-1032.	13.6	14
31	The secrets of severing?. <i>Current Biology</i> , 1993 , 3, 887-90	6.3	13

30	B cells extract antigens at Arp2/3-generated actin foci interspersed with linear filaments. <i>ELife</i> , 2019 , 8,	8.9	13
29	KSHV-TK is a tyrosine kinase that disrupts focal adhesions and induces Rho-mediated cell contraction. <i>EMBO Journal</i> , 2015 , 34, 448-65	13	12
28	Tuning of in vivo cognate B-T cell interactions by Intersectin 2 is required for effective anti-viral B cell immunity. <i>ELife</i> , 2018 , 7,	8.9	11
27	Is thymosin-beta4 the missing link?. <i>Current Biology</i> , 1991 , 1, 307-8	6.3	11
26	Identification of two sites in gelsolin with different sensitivities to adenine nucleotides. <i>FEBS Journal</i> , 1995 , 234, 1-7		10
25	Deletion of Apoptosis Inhibitor F1L in Vaccinia Virus Increases Safety and Oncolysis for Cancer Therapy. <i>Molecular Therapy - Oncolytics</i> , 2019 , 14, 246-252	6.4	9
24	Molecular biology of actin binding proteins: evidence for a common structural domain in the F-actin binding sites of gelsolin and alpha-actinin. <i>Journal of Cell Science</i> , 1991 , 14, 91-4	5.3	9
23	Lamellipodin tunes cell migration by stabilizing protrusions and promoting adhesion formation. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	7
22	Cryo-EM of human Arp2/3 complexes provides structural insights into actin nucleation modulation by ARPC5 isoforms. <i>Biology Open</i> , 2020 , 9,	2.2	5
21	Viral use and subversion of membrane organization and trafficking. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	5
20	Looking over the edge: a new role for Ena/VASP proteins in lamellipodial dynamics. <i>Developmental Cell</i> , 2002 , 2, 692-4	10.2	4
19	MICAL2 enhances branched actin network disassembly by oxidizing Arp3B-containing Arp2/3 complexes. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	4
18	Actin motility: formin a SCARy tail. <i>Current Biology</i> , 2011 , 21, R27-30	6.3	2
17	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay 2000 , 41, 46		2
16	Suppression of NYVAC Infection in HeLa Cells Requires RNase L but Is Independent of Protein Kinase R Activity. <i>Journal of Virology</i> , 2016 , 90, 2135-41	6.6	1
15	Perspective: Hidden treasures from the archives. <i>Biotechnology Journal</i> , 2009 , 4, 784-5	5.6	1
14	MICAL2 acts through Arp3B isoform-specific Arp2/3 complexes to destabilize branched actin networks		1
13	B cells extract antigens using Arp2/3-generated actin foci interspersed with linear filaments		1

- 12 Expression of Concern: Sirtuin-3 deacetylation of cyclophilin D induces dissociation of hexokinase II from the mitochondria. Nataly Shulga, Robin Wilson-Smith, John G. Pastorino. J Cell Sci doi: 10.1242/jcs.061846. *Journal of Cell Science*, **2016**, 129, 868 5.3
- 11 Expression of Concern: Ethanol sensitizes mitochondria to the permeability transition by inhibiting deacetylation of cyclophilin-D mediated by sirtuin-3. Nataly Shulga, John G. Pastorino. J Cell Sci doi: 10.1242/jcs.073502. *Journal of Cell Science*, **2016**, 129, 869 5.3
- 10 Expression of Concern: Sirtuin-3 modulates Bak- and Bax-dependent apoptosis. Manish Verma, Nataly Shulga, John G. Pastorino. J Cell Sci doi: 10.1242/jcs.115188. *Journal of Cell Science*, **2016**, 129, 871 5.3
- 9 Expression of Concern: Mitoneet mediates TNF-induced necroptosis promoted by exposure to fructose and ethanol. Nataly Shulga, John G. Pastorino. J Cell Sci doi: 10.1242/jcs.140764. *Journal of Cell Science*, **2016**, 129, 872 5.3
- 8 2014 winners: Anne-Lise Gaffuri and Elizabeth Crowell. *Journal of Cell Science*, **2015**, 128, 1255-6 5.3
- 7 JCS Prize. 2013 winner: Liam Cheeseman. *Journal of Cell Science*, **2014**, 127, 2121 5.3
- 6 2012 Winners: Vincent Pasque and Aliaksandra Radzishauskaya. *Journal of Cell Science*, **2013**, 126, 1287-1288 5.3
- 5 Crystallization and preliminary X-ray diffraction analysis of vaccinia virus H1L phosphatase. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 190-2
- 4 Manipulation of Centrosomes and the Microtubule Cytoskeleton during Infection by Intracellular Pathogens **2005**, 371-400
- 3 2015 Winner: Monika Zwerger. *Journal of Cell Science*, **2016**, 129, 1083-4 5.3
- 2 Expression of Concern: GRIM-19-mediated translocation of STAT3 to mitochondria is necessary for TNF-induced necroptosis. Nataly Shulga, John G. Pastorino. J Cell Sci doi: 10.1242/jcs.103093. *Journal of Cell Science*, **2016**, 129, 870 5.3
- 1 Actin against the Ball and Chain. *Developmental Cell*, **2016**, 37, 11-12 10.2