Michael Way

List of Publications by Year in Descending Order

137 papers	9,604 citations	58 h-index	96 g-index
171 ext. papers	10,628 ext. citations	10.5 avg, IF	5.99 L-index

#	Paper	IF	Citations
137	Viral use and subversion of membrane organization and trafficking. *Journal of Cell Science*, **2021**, 134,	5.3	5
136	MICAL2 enhances branched actin network disassembly by oxidizing Arp3B-containing Arp2/3 complexes. *Journal of Cell Biology*, **2021**, 220,	7.3	4
135	Lamellipodin tunes cell migration by stabilizing protrusions and promoting adhesion formation. *Journal of Cell Science*, **2020**, 133,	5.3	7
134	Cryo-EM of human Arp2/3 complexes provides structural insights into actin nucleation modulation by ARPC5 isoforms. *Biology Open*, **2020**, 9,	2.2	5
133	Deletion of Apoptosis Inhibitor F1L in Vaccinia Virus Increases Safety and Oncolysis for Cancer Therapy. *Molecular Therapy - Oncolytics*, **2019**, 14, 246-252	6.4	9
132	B cells extract antigens at Arp2/3-generated actin foci interspersed with linear filaments. *ELife*, **2019**, 8,	8.9	13
131	Tuning of in vivo cognate B-T cell interactions by Intersectin 2 is required for effective anti-viral B cell immunity. *ELife*, **2018**, 7,	8.9	11
130	Septins suppress the release of vaccinia virus from infected cells. *Journal of Cell Biology*, **2018**, 217, 2911-2929	7.3	18
129	Insights into Kinesin-1 Activation from the Crystal Structure of KLC2 Bound to JIP3. *Structure*, **2018**, 26, 1486-1498.e6	5.2	24
128	APC/C Dysfunction Limits Excessive Cancer Chromosomal Instability. *Cancer Discovery*, **2017**, 7, 218-233	24.4	61
127	RhoD Inhibits RhoC-ROCK-Dependent Cell Contraction via PAK6. *Developmental Cell*, **2017**, 41, 315-329.e7	10.2	14
126	Correlative super-resolution fluorescence and electron microscopy using conventional fluorescent proteins in vacuo. *Journal of Structural Biology*, **2017**, 199, 120-131	3.4	44
125	Myofibril contraction and crosslinking drive nuclear movement to the periphery of skeletal muscle. *Nature Cell Biology*, **2017**, 19, 1189-1201	23.4	66
124	Cytoplasmic ATR Activation Promotes Vaccinia Virus Genome Replication. *Cell Reports*, **2017**, 19, 1022-1032	8.2	14
123	NPF motifs in the vaccinia virus protein A36 recruit intersectin-1 to promote Cdc42:N-WASP-mediated viral release from infected cells. *Nature Microbiology*, **2016**, 1, 16141	26.6	14
122	Isoform diversity in the Arp2/3 complex determines actin filament dynamics. *Nature Cell Biology*, **2016**, 18, 76-86	23.4	105
121	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	

120	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	
119	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	
118	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	
117	Suppression of NYVAC Infection in HeLa Cells Requires RNase L but Is Independent of Protein Kinase R Activity. *Journal of Virology*, **2016**, 90, 2135-41	6.6	1
116	2015 Winner: Monika Zwerger. *Journal of Cell Science*, **2016**, 129, 1083-4	5.3	
115	Mitochondria mediate septin cage assembly to promote autophagy of Shigella. *EMBO Reports*, **2016**, 17, 1029-43	6.5	58
114	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	
113	Acting against the Ball and Chain. *Developmental Cell*, **2016**, 37, 11-12	10.2	
112	KSHV-TK is a tyrosine kinase that disrupts focal adhesions and induces Rho-mediated cell contraction. *EMBO Journal*, **2015**, 34, 448-65	13	12
111	Open source software for quantification of cell migration, protrusions, and fluorescence intensities. *Journal of Cell Biology*, **2015**, 209, 163-80	7.3	92
110	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. *Immunity*, **2015**, 43, 660-73	32.3	42
109	Standard fluorescent proteins as dual-modality probes for correlative experiments in an integrated light and electron microscope. *Journal of Chemical Biology*, **2015**, 8, 179-188		14
108	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. *Immunity*, **2015**, 42, 839-849	32.3	45
107	The role of signalling and the cytoskeleton during Vaccinia Virus egress. *Virus Research*, **2015**, 209, 87-99	6.4	26
106	2014 winners: Anne-Lise Gaffuri and Elizabeth Crowell. *Journal of Cell Science*, **2015**, 128, 1255-6	5.3	
105	Ena/VASP proteins cooperate with the WAVE complex to regulate the actin cytoskeleton. *Developmental Cell*, **2014**, 30, 569-84	10.2	68
104	Cdc42 and the Rho GEF intersectin-1 collaborate with Nck to promote N-WASP-dependent actin polymerisation. *Journal of Cell Science*, **2014**, 127, 673-85	5.3	47
103	The Escherichia coli effector EspJ blocks Src kinase activity via amidation and ADP ribosylation. *Nature Communications*, **2014**, 5, 5887	17.4	30

102	JCS Prize. 2013 winner: Liam Cheeseman. *Journal of Cell Science*, **2014**, 127, 2121	5.3	
101	Vaccinia virus F11 promotes viral spread by acting as a PDZ-containing scaffolding protein to bind myosin-9A and inhibit RhoA signaling. *Cell Host and Microbe*, **2013**, 14, 51-62	23.4	28
100	The non-canonical roles of clathrin and actin in pathogen internalization, egress and spread. *Nature Reviews Microbiology*, **2013**, 11, 551-60	22.2	38
99	Arp2/3-mediated actin-based motility: a tail of pathogen abuse. *Cell Host and Microbe*, **2013**, 14, 242-55	23.4	143
98	WIP provides an essential link between Nck and N-WASP during Arp2/3-dependent actin polymerization. *Current Biology*, **2013**, 23, 999-1006	6.3	51
97	Vaccinia virus F1L protein promotes virulence by inhibiting inflammasome activation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 7808-13	11.5	63
96	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. *Genes and Development*, **2013**, 27, 654-69	12.6	103
95	2012 Winners: Vincent Pasque and Aliaksandra Radzisheuskaya. *Journal of Cell Science*, **2013**, 126, 1287-1288	5.3	
94	Clathrin potentiates vaccinia-induced actin polymerization to facilitate viral spread. *Cell Host and Microbe*, **2012**, 12, 346-59	23.4	38
93	F-actin is an evolutionarily conserved damage-associated molecular pattern recognized by DNGR-1, a receptor for dead cells. *Immunity*, **2012**, 36, 635-45	32.3	282
92	G-actin regulates the shuttling and PP1 binding of the RPEL protein Phactr1 to control actomyosin assembly. *Journal of Cell Science*, **2012**, 125, 5860-72	5.3	39
91	The vaccinia virus-encoded Bcl-2 homologues do not act as direct Bax inhibitors. *Journal of Virology*, **2012**, 86, 203-13	6.6	18
90	Loss of cytoskeletal transport during egress critically attenuates ectromelia virus infection in vivo. *Journal of Virology*, **2012**, 86, 7427-43	6.6	17
89	Nck and Cdc42 co-operate to recruit N-WASP to promote FcR-mediated phagocytosis. *Journal of Cell Science*, **2012**, 125, 2825-30	5.3	28
88	Kinesin-1-mediated capsid disassembly and disruption of the nuclear pore complex promote virus infection. *Cell Host and Microbe*, **2011**, 10, 210-23	23.4	143
87	Coupling viruses to dynein and kinesin-1. *EMBO Journal*, **2011**, 30, 3527-39	13	158
86	Actin motility: formin a SCAry tail. *Current Biology*, **2011**, 21, R27-30	6.3	2
85	A kinesin-1 binding motif in vaccinia virus that is widespread throughout the human genome. *EMBO Journal*, **2011**, 30, 4523-38	13	66

84	Molecular recognition of the Tes LIM2-3 domains by the actin-related protein Arp7A. *Journal of Biological Chemistry*, **2011**, 286, 11543-54	5.4	26
83	F11-mediated inhibition of RhoA signalling enhances the spread of vaccinia virus in vitro and in vivo in an intranasal mouse model of infection. *PLoS ONE*, **2009**, 4, e8506	3.7	43
82	Activation of MDA5 requires higher-order RNA structures generated during virus infection. *Journal of Virology*, **2009**, 83, 10761-9	6.6	321
81	Integrin-linked kinase controls vascular wall formation by negatively regulating Rho/ROCK-mediated vascular smooth muscle cell contraction. *Genes and Development*, **2009**, 23, 2278-83	12.6	42
80	Subproteome analysis of the neutrophil cytoskeleton. *Proteomics*, **2009**, 9, 2037-49	4.8	30
79	The rate of N-WASP exchange limits the extent of ARP2/3-complex-dependent actin-based motility. *Nature*, **2009**, 458, 87-91	50.4	112
78	An E2-F12 complex is required for intracellular enveloped virus morphogenesis during vaccinia infection. *Cellular Microbiology*, **2009**, 11, 808-24	3.9	32
77	Vaccinia-induced epidermal growth factor receptor-MEK signalling and the anti-apoptotic protein F1L synergize to suppress cell death during infection. *Cellular Microbiology*, **2009**, 11, 1208-18	3.9	30
76	Perspective: Hidden treasures from the archives. *Biotechnology Journal*, **2009**, 4, 784-5	5.6	1
75	Nck- and N-WASP-dependent actin-based motility is conserved in divergent vertebrate poxviruses. *Cell Host and Microbe*, **2009**, 6, 536-50	23.4	42
74	Crystallization and preliminary X-ray diffraction analysis of vaccinia virus H1L phosphatase. *Acta Crystallographica Section F: Structural Biology Communications*, **2008**, 64, 190-2		
73	Dynamin is required for F-actin assembly and pedestal formation by enteropathogenic Escherichia coli (EPEC). *Cellular Microbiology*, **2007**, 9, 438-49	3.9	35
72	Multiple WASP-interacting protein recognition motifs are required for a functional interaction with N-WASP. *Journal of Biological Chemistry*, **2007**, 282, 8446-53	5.4	42
71	Kidins220/ARMS is transported by a kinesin-1-based mechanism likely to be involved in neuronal differentiation. *Molecular Biology of the Cell*, **2007**, 18, 142-52	3.5	49
70	The release of vaccinia virus from infected cells requires RhoA-mDia modulation of cortical actin. *Cell Host and Microbe*, **2007**, 1, 227-40	23.4	66
69	F11L-mediated inhibition of RhoA-mDia signaling stimulates microtubule dynamics during vaccinia virus infection. *Cell Host and Microbe*, **2007**, 1, 213-26	23.4	59
68	Tes, a specific Mena interacting partner, breaks the rules for EVH1 binding. *Molecular Cell*, **2007**, 28, 1071-82	17.2	53
67	Imaging macrophage chemotaxis in vivo: studies of microtubule function in zebrafish wound inflammation. *Cytoskeleton*, **2006**, 63, 415-22		147

66	Vaccinia virus-induced cell motility requires F11L-mediated inhibition of RhoA signaling. *Science*, **2006**, 311, 377-81	33.3	93
65	Signaling during pathogen infection. *Science Signaling*, **2006**, 2006, re5	8.8	69
64	A superhighway to virus infection. *Cell*, **2006**, 124, 741-54	56.2	307
63	Abl collaborates with Src family kinases to stimulate actin-based motility of vaccinia virus. *Cellular Microbiology*, **2006**, 8, 233-41	3.9	83
62	African swine fever virus induces filopodia-like projections at the plasma membrane. *Cellular Microbiology*, **2006**, 8, 1803-11	3.9	47
61	Interaction of F1L with the BH3 domain of Bak is responsible for inhibiting vaccinia-induced apoptosis. *Cell Death and Differentiation*, **2006**, 13, 1651-62	12.7	65
60	Manipulation of Centrosomes and the Microtubule Cytoskeleton during Infection by Intracellular Pathogens **2005**, 371-400		
59	A neural Wiskott-Aldrich Syndrome protein-mediated pathway for localized activation of actin polymerization that is regulated by cortactin. *Journal of Biological Chemistry*, **2005**, 280, 5836-42	5.4	53
58	Regulated exocytosis in neuroendocrine cells: a role for subplasmalemmal Cdc42/N-WASP-induced actin filaments. *Molecular Biology of the Cell*, **2004**, 15, 520-31	3.5	155
57	Transport of African swine fever virus from assembly sites to the plasma membrane is dependent on microtubules and conventional kinesin. *Journal of Virology*, **2004**, 78, 7990-8001	6.6	77
56	SRC mediates a switch from microtubule- to actin-based motility of vaccinia virus. *Science*, **2004**, 306, 124-9	33.3	133
55	Analysis of the mechanisms of Salmonella-induced actin assembly during invasion of host cells and intracellular replication. *Cellular Microbiology*, **2004**, 6, 1041-55	3.9	77
54	Lamellipodin, an Ena/VASP ligand, is implicated in the regulation of lamellipodial dynamics. *Developmental Cell*, **2004**, 7, 571-83	10.2	247
53	A dynamic podosome-like structure of epithelial cells. *Experimental Cell Research*, **2004**, 295, 360-74	4.2	91
52	Effects of ectopically expressed neuronal Wiskott-Aldrich syndrome protein domains on Rickettsia rickettsii actin-based motility. *Infection and Immunity*, **2003**, 71, 1551-6	3.7	31
51	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. *Journal of Immunology*, **2003**, 171, 1360-8	5.3	135
50	A role for VASP in RhoA-Diaphanous signalling to actin dynamics and SRF activity. *EMBO Journal*, **2003**, 22, 3050-61	13	86
49	The conformational state of Tes regulates its zyxin-dependent recruitment to focal adhesions. *Journal of Cell Biology*, **2003**, 161, 33-9	7.3	56

48	Grb2 and Nck act cooperatively to promote actin-based motility of vaccinia virus. *Current Biology*, **2002**, 12, 740-5	6.3	125
47	The WH1 and EVH1 domains of WASP and Ena/VASP family members bind distinct sequence motifs. *Current Biology*, **2002**, 12, 1617-22	6.3	62
46	Regulation of protein transport from the Golgi complex to the endoplasmic reticulum by CDC42 and N-WASP. *Molecular Biology of the Cell*, **2002**, 13, 866-79	3.5	138
45	A phosphatidylinositol 3-kinase-independent insulin signaling pathway to N-WASP/Arp2/3/F-actin required for GLUT4 glucose transporter recycling. *Journal of Biological Chemistry*, **2002**, 277, 509-15	5.4	117
44	Looking over the edge: a new role for Ena/VASP proteins in lamellipodial dynamics. *Developmental Cell*, **2002**, 2, 692-4	10.2	4
43	Phosphatidylinositol 4,5-biphosphate (PIP2)-induced vesicle movement depends on N-WASP and involves Nck, WIP, and Grb2. *Journal of Biological Chemistry*, **2002**, 277, 37771-6	5.4	120
42	Kinesin-dependent movement on microtubules precedes actin-based motility of vaccinia virus. *Nature Cell Biology*, **2001**, 3, 992-1000	23.4	236
41	Surfing pathogens and the lessons learned for actin polymerization. *Trends in Cell Biology*, **2001**, 11, 30-38	8.3	183
40	Viral transport and the cytoskeleton. *Current Opinion in Cell Biology*, **2001**, 13, 97-105	9	113
39	A role for N-WASP in invasin-promoted internalisation. *FEBS Letters*, **2001**, 509, 59-65	3.8	46
38	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay. *Cytometry*, **2000**, 41, 46-54		16
37	Both calmodulin and the unconventional myosin Myr4 regulate membrane trafficking along the recycling pathway of MDCK cells. *Traffic*, **2000**, 1, 494-503	5.7	66
36	A complex of N-WASP and WIP integrates signalling cascades that lead to actin polymerization. *Nature Cell Biology*, **2000**, 2, 441-8	23.4	284
35	Vaccinia virus infection disrupts microtubule organization and centrosome function. *EMBO Journal*, **2000**, 19, 3932-44	13	135
34	Actin assembly induced by polylysine beads or purified phagosomes: Quantitation by a new flow cytometry assay **2000**, 41, 46		2
33	Molecular characterization of caveolin association with the Golgi complex: identification of a cis-Golgi targeting domain in the caveolin molecule. *Journal of Cell Biology*, **1999**, 145, 1443-59	7.3	107
32	Actin-based motility of vaccinia virus mimics receptor tyrosine kinase signalling. *Nature*, **1999**, 401, 926-9	50.4	356
31	In vitro approaches to study actin and microtubule dependent cell processes. *Current Opinion in Cell Biology*, **1999**, 11, 152-8	9	18

30	Tyrosine phosphorylation is required for actin-based motility of vaccinia but not Listeria or Shigella. *Current Biology*, **1999**, 9, 89-92	6.3	95
29	Leucine 255 of Src couples intramolecular interactions to inhibition of catalysis. *Nature Structural Biology*, **1999**, 6, 760-4		54
28	Interactions between vaccinia virus IEV membrane proteins and their roles in IEV assembly and actin tail formation. *Journal of Virology*, **1999**, 73, 2863-75	6.6	106
27	Cdc42 is required for membrane dependent actin polymerization in vitro. *FEBS Letters*, **1998**, 427, 353-6	3.8	36
26	Determination of the gelsolin binding site on F-actin: implications for severing and capping. *Biophysical Journal*, **1998**, 74, 764-72	2.9	59
25	Virus-induced cell motility. *Journal of Virology*, **1998**, 72, 1235-43	6.6	64
24	Caveolin-3 associates with developing T-tubules during muscle differentiation. *Journal of Cell Biology*, **1997**, 136, 137-54	7.3	292
23	Viral manipulations of the actin cytoskeleton. *Trends in Microbiology*, **1997**, 5, 142-8	12.4	127
22	Actin and cell pathogenesis. *Current Opinion in Cell Biology*, **1997**, 9, 62-9	9	44
21	The vaccinia virus F17R protein interacts with actin. *FEBS Letters*, **1997**, 409, 141-6	3.8	14
20	M-caveolin, a muscle-specific caveolin-related protein. *FEBS Letters*, **1996**, 378, 108-12	3.8	64
19	Binding of phosphate, aluminum fluoride, or beryllium fluoride to F-actin inhibits severing by gelsolin. *Journal of Biological Chemistry*, **1996**, 271, 4665-70	5.4	19
18	Actin-based motility of vaccinia virus. *Nature*, **1995**, 378, 636-8	50.4	355
17	Molecular model of an actin filament capped by a severing protein. *Journal of Structural Biology*, **1995**, 115, 144-50	3.4	28
16	M-caveolin, a muscle-specific caveolin-related protein. *FEBS Letters*, **1995**, 376, 108-12	3.8	177
15	Identification of two sites in gelsolin with different sensitivities to adenine nucleotides. *FEBS Journal*, **1995**, 234, 1-7		10
14	Determination of the alpha-actinin-binding site on actin filaments by cryoelectron microscopy and image analysis. *Journal of Cell Biology*, **1994**, 126, 433-43	7.3	148
13	conformation and phasing of dystrophin structural repeats. *Journal of Molecular Biology*, **1994**, 235, 1271	6.7	36

12	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. *FEBS Letters*, **1994**, 338, 58-62	3.8	61
11	The secrets of severing?. *Current Biology*, **1993**, 3, 887-90	6.3	13
10	Evidence for functional homology in the F-actin binding domains of gelsolin and alpha-actinin: implications for the requirements of severing and capping. *Journal of Cell Biology*, **1992**, 119, 835-42	7.3	142
9	Expression of the N-terminal domain of dystrophin in E. coli and demonstration of binding to F-actin. *FEBS Letters*, **1992**, 301, 243-5	3.8	117
8	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. *FEBS Journal*, **1992**, 204, 767-72		45
7	Is thymosin-beta4 the missing link?. *Current Biology*, **1991**, 1, 307-8	6.3	11
6	Molecular biology of actin binding proteins: evidence for a common structural domain in the F-actin binding sites of gelsolin and alpha-actinin. *Journal of Cell Science*, **1991**, 14, 91-4	5.3	9
5	Two of the three actin-binding domains of gelsolin bind to the same subdomain of actin. Implications of capping and severing mechanisms. *FEBS Letters*, **1991**, 280, 70-4	3.8	67
4	Actin-binding proteins. Cytoskeletal ups and downs. *Nature*, **1990**, 344, 292-4	50.4	44
3	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. *Journal of Molecular Biology*, **1988**, 203, 1127-33	6.5	132
2	MICAL2 acts through Arp3B isoform-specific Arp2/3 complexes to destabilize branched actin networks		1
1	B cells extract antigens using Arp2/3-generated actin foci interspersed with linear filaments		1