

# Tatyana M Svitkina

## List of Publications by Year in descending order

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33  
papers

4,228  
citations

304743

22  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

4016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arp2/3 Complex and Actin Depolymerizing Factor/Cofilin in Dendritic Organization and Treadmilling of Actin Filament Array in Lamellipodia. <i>Journal of Cell Biology</i> , 1999, 145, 1009-1026.	5.2	1,035
2	Mechanism of filopodia initiation by reorganization of a dendritic network. <i>Journal of Cell Biology</i> , 2003, 160, 409-421.	5.2	692
3	Analysis of the Actin-Myosin II System in Fish Epidermal Keratocytes: Mechanism of Cell Body Translocation. <i>Journal of Cell Biology</i> , 1997, 139, 397-415.	5.2	640
4	Dendritic organization of actin comet tails. <i>Current Biology</i> , 2001, 11, 130-135.	3.9	172
5	[43] Correlative light and electron microscopy of the cytoskeleton of cultured cells. <i>Methods in Enzymology</i> , 1998, 298, 570-592.	1.0	150
6	Giant ankyrin-G: A critical innovation in vertebrate evolution of fast and integrated neuronal signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 957-964.	7.1	148
7	Axon Initial Segment Cytoskeleton: Architecture, Development, and Role in Neuron Polarity. <i>Neural Plasticity</i> , 2016, 2016, 1-19.	2.2	143
8	Improved Procedures for Electron Microscopic Visualization of the Cytoskeleton of Cultured Cells. <i>Journal of Structural Biology</i> , 1995, 115, 290-303.	2.8	137
9	Two Components of Actin-based Retrograde Flow in Sea Urchin Coelomocytes. <i>Molecular Biology of the Cell</i> , 1999, 10, 4075-4090.	2.1	116
10	Actin Cell Cortex: Structure and Molecular Organization. <i>Trends in Cell Biology</i> , 2020, 30, 556-565.	7.9	114
11	Branched actin networks push against each other at adherens junctions to maintain cell-cell adhesion. <i>Journal of Cell Biology</i> , 2018, 217, 1827-1845.	5.2	105
12	Ultrastructure and dynamics of the actin-myosin II cytoskeleton during mitochondrial fission. <i>Nature Cell Biology</i> , 2019, 21, 603-613.	10.3	94
13	Ultrastructure of the actin cytoskeleton. <i>Current Opinion in Cell Biology</i> , 2018, 54, 1-8.	5.4	91
14	Dynamin regulates the dynamics and mechanical strength of the actin cytoskeleton as a multifilament actin-bundling protein. <i>Nature Cell Biology</i> , 2020, 22, 674-688.	10.3	70
15	Self-sorting of nonmuscle myosins IIA and IIB polarizes the cytoskeleton and modulates cell motility. <i>Journal of Cell Biology</i> , 2017, 216, 2877-2889.	5.2	64
16	Speckle microscopic evaluation of microtubule transport in growing nerve processes. <i>Nature Cell Biology</i> , 1999, 1, 399-403.	10.3	58
17	Ultrastructure of protrusive actin filament arrays. <i>Current Opinion in Cell Biology</i> , 2013, 25, 574-581.	5.4	52
18	Mammalian nonmuscle myosin II comes in three flavors. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 394-402.	2.1	51

#	ARTICLE	IF	CITATIONS
19	Time-resolved ultrastructure of the cortical actin cytoskeleton in dynamic membrane blebs. <i>Journal of Cell Biology</i> , 2019, 218, 445-454.	5.2	44
20	Neurite outgrowth is driven by actin polymerization even in the presence of actin polymerization inhibitors. <i>Molecular Biology of the Cell</i> , 2016, 27, 3695-3704.	2.1	35
21	Platinum replica electron microscopy: Imaging the cytoskeleton globally and locally. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 86, 37-41.	2.8	34
22	Filamin A mediates isotropic distribution of applied force across the actin network. <i>Journal of Cell Biology</i> , 2019, 218, 2481-2491.	5.2	31
23	Branched actin networks are assembled on microtubules by adenomatous polyposis coli for targeted membrane protrusion. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	27
24	WAVE1 and WAVE2 have distinct and overlapping roles in controlling actin assembly at the leading edge. <i>Molecular Biology of the Cell</i> , 2020, 31, 2168-2178.	2.1	23
25	T-Plastin reinforces membrane protrusions to bridge matrix gaps during cell migration. <i>Nature Communications</i> , 2020, 11, 4818.	12.8	23
26	HRS phosphorylation drives immunosuppressive exosome secretion and restricts CD8+ T-cell infiltration into tumors. <i>Nature Communications</i> , 2022, 13, .	12.8	23
27	Actin cytoskeleton in mesenchymal-to-amoeboid transition of cancer cells. <i>International Review of Cell and Molecular Biology</i> , 2020, 356, 197-256.	3.2	22
28	Adenomatous Polyposis Coli (APC) in cell migration. <i>European Journal of Cell Biology</i> , 2022, 101, 151228.	3.6	12
29	Pseudo-obstructionâ€“inducing ACTG2R257C alters actin organization and function. <i>JCI Insight</i> , 2020, 5, .	5.0	10
30	Myosin II and Arp2/3 cross-talk governs intracellular hydraulic pressure and lamellipodia formation. <i>Molecular Biology of the Cell</i> , 2021, 32, 579-589.	2.1	8
31	Actin bends over backward for directional branching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2693-2694.	7.1	4
32	Cytoskeleton   Actin Organization. , 2021, , 154-166.		0
33	Cytoskeleton and Motors: Complex Cytoskeletal Structures â€“ Filopodia and Lamellipodia. , 2022, , .		0