

# Anika Steffen

## List of Publications by Year in descending order

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28  
papers

2,481  
citations

361045

20  
h-index

525886

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

3209  
citing authors

#	ARTICLE	IF	CITATIONS
1	SMER28 Attenuates PI3K/mTOR Signaling by Direct Inhibition of PI3K p110 Delta. <i>Cells</i> , 2022, 11, 1648.	1.8	7
2	RhoG and Cdc42 can contribute to Rac-dependent lamellipodia formation through WAVE regulatory complex-binding. <i>Small GTPases</i> , 2021, 12, 122-132.	0.7	12
3	Crystal structure of bacterial cytotoxic necrotizing factor CNF<sub>Y</sub> reveals molecular building blocks for intoxication. <i>EMBO Journal</i> , 2021, 40, e105202.	3.5	14
4	Induced Arp2/3 Complex Depletion Increases FMNL2/3 Formin Expression and Filopodia Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634708.	1.8	32
5	Loss of Hem1 disrupts macrophage function and impacts migration, phagocytosis, and integrin-mediated adhesion. <i>Current Biology</i> , 2021, 31, 2051-2064.e8.	1.8	17
6	The Small GTPase Rac1 Increases Cell Surface Stiffness and Enhances 3D Migration Into Extracellular Matrices. <i>Scientific Reports</i> , 2019, 9, 7675.	1.6	55
7	Spatiotemporal control of FlgZ activity impacts <i>Pseudomonas aeruginosa</i> flagellar motility. <i>Molecular Microbiology</i> , 2019, 111, 1544-1557.	1.2	12
8	Imaging the Molecular Machines That Power Cell Migration. <i>Methods in Molecular Biology</i> , 2018, 1749, 257-277.	0.4	6
9	Distinct Interaction Sites of Rac GTPase with WAVE Regulatory Complex Have Non-redundant Functions in Vivo. <i>Current Biology</i> , 2018, 28, 3674-3684.e6.	1.8	75
10	Visualization of translocons in Yersinia type III protein secretion machines during host cell infection. <i>PLoS Pathogens</i> , 2018, 14, e1007527.	2.1	29
11	Efficiency of lamellipodia protrusion is determined by the extent of cytosolic actin assembly. <i>Molecular Biology of the Cell</i> , 2017, 28, 1311-1325.	0.9	41
12	FMNL2 and -3 regulate Golgi architecture and anterograde transport downstream of Cdc42. <i>Scientific Reports</i> , 2017, 7, 9791.	1.6	33
13	Signalling Pathways Controlling Cellular Actin Organization. <i>Handbook of Experimental Pharmacology</i> , 2016, 235, 153-178.	0.9	17
14	The structure of FMNL2-Cdc42 yields insights into the mechanism of lamellipodia and filopodia formation. <i>Nature Communications</i> , 2015, 6, 7088.	5.8	63
15	Requirements for and consequences of Rac-dependent protrusion. <i>European Journal of Cell Biology</i> , 2014, 93, 184-193.	1.6	25
16	Inhibitory signalling to the Arp2/3 complex steers cell migration. <i>Nature</i> , 2013, 503, 281-284.	13.7	208
17	Cytotoxic Necrotizing Factor-Y Boosts Yersinia Effector Translocation by Activating Rac Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 23543-23553.	1.6	30
18	Arp2/3 complex is essential for actin network treadmilling as well as for targeting of capping protein and cofilin. <i>Molecular Biology of the Cell</i> , 2013, 24, 2861-2875.	0.9	68

#	ARTICLE	IF	CITATIONS
19	Rac function is critical for cell migration but not required for spreading and focal adhesion formation. <i>Journal of Cell Science</i> , 2013, 126, 4572-88.	1.2	139
20	Molecular dissection of <i>Salmonella</i> -induced membrane ruffling versus invasion. <i>Cellular Microbiology</i> , 2010, 12, 84-98.	1.1	52
21	MT1-MMP-Dependent Invasion Is Regulated by TI-VAMP/VAMP7. <i>Current Biology</i> , 2008, 18, 926-931.	1.8	186
22	Cdc42 and Phosphoinositide 3-Kinase Drive Rac-Mediated Actin Polymerization Downstream of c-Met in Distinct and Common Pathways. <i>Molecular and Cellular Biology</i> , 2007, 27, 6615-6628.	1.1	47
23	Regulation of cell shape by Cdc42 is mediated by the synergic actin-bundling activity of the Eps8-IRSp53 complex. <i>Nature Cell Biology</i> , 2006, 8, 1337-1347.	4.6	230
24	Filopodia Formation in the Absence of Functional WAVE- and Arp2/3-Complexes. <i>Molecular Biology of the Cell</i> , 2006, 17, 2581-2591.	0.9	212
25	Abi1 is essential for the formation and activation of a WAVE2 signalling complex. <i>Nature Cell Biology</i> , 2004, 6, 319-327.	4.6	364
26	Sra-1 and Nap1 link Rac to actin assembly driving lamellipodia formation. <i>EMBO Journal</i> , 2004, 23, 749-759.	3.5	359
27	Phosphatidylinositol 4,5-Biphosphate (PIP2)-induced Vesicle Movement Depends on N-WASP and Involves Nck, WIP, and Grb2. <i>Journal of Biological Chemistry</i> , 2002, 277, 37771-37776.	1.6	133
28	Distinct Interaction Sites of Rac GTPase with WAVE Regulatory Complex Have Nonredundant Functions in Vivo. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3