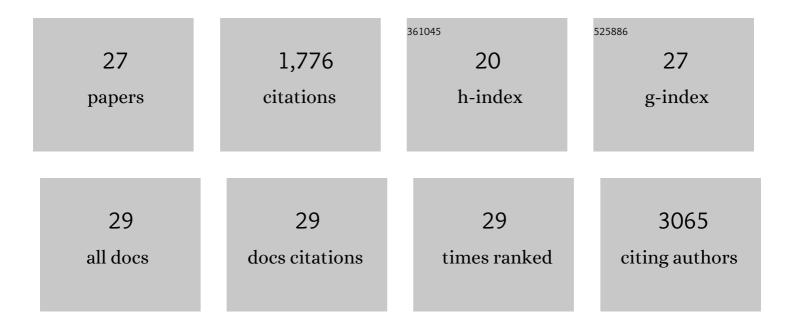
## **Tobias Zech**

List of Publications by Year in descending order

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TORIAS ZECH

#	Article	IF	CITATIONS
1	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. EMBO Journal, 2009, 28, 466-476.	3.5	252
2	Visualizing membrane microdomains by Laurdan 2-photon microscopy (Review). Molecular Membrane Biology, 2006, 23, 41-48.	2.0	151
3	N-WASP coordinates the delivery and F-actin–mediated capture of MT1-MMP at invasive pseudopods. Journal of Cell Biology, 2012, 199, 527-544.	2.3	151
4	Actin polymerization driven by WASH causes V-ATPase retrieval and vesicle neutralization before exocytosis. Journal of Cell Biology, 2011, 193, 831-839.	2.3	144
5	Actin-Based Cell Protrusion in a 3D Matrix. Trends in Cell Biology, 2018, 28, 823-834.	3.6	128
6	The Arp2/3 activator WASH regulates α5β1-integrin-mediated invasive migration. Journal of Cell Science, 2011, 124, 3753-3759.	1.2	127
7	Membrane Tension Orchestrates Rear Retraction in Matrix-Directed Cell Migration. Developmental Cell, 2019, 51, 460-475.e10.	3.1	112
8	Functional Implications of Plasma Membrane Condensation for T Cell Activation. PLoS ONE, 2008, 3, e2262.	1.1	96
9	Plasma membrane segregation during T cell activation: probing the order of domains. Current Opinion in Immunology, 2007, 19, 470-475.	2.4	67
10	Loss of Scar/WAVE Complex Promotes N-WASP- and FAK-Dependent Invasion. Current Biology, 2013, 23, 107-117.	1.8	64
11	Cyclical Action of the WASH Complex: FAM21 and Capping Protein Drive WASH Recycling, Not Initial Recruitment. Developmental Cell, 2013, 24, 169-181.	3.1	52
12	Local actin nucleation tunes centrosomal microtubule nucleation during passage throughÂmitosis. EMBO Journal, 2019, 38, .	3.5	48
13	Synergistic Assembly of Linker for Activation of T Cells Signaling Protein Complexes in T Cell Plasma Membrane Domains. Journal of Biological Chemistry, 2003, 278, 20389-20394.	1.6	46
14	HRS–WASH axis governs actin-mediated endosomal recycling and cell invasion. Journal of Cell Biology, 2018, 217, 2549-2564.	2.3	46
15	STEF/TIAM2-mediated Rac1 activity at the nuclear envelope regulates the perinuclear actin cap. Nature Communications, 2018, 9, 2124.	5.8	45
16	PIKfyve, MTMR3 and their product PtdIns5 <i>P</i> regulate cancer cell migration and invasion through activation of Rac1. Biochemical Journal, 2014, 461, 383-390.	1.7	42
17	Gadkin negatively regulates cell spreading and motility via sequestration of the actin-nucleating ARP2/3 complex. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10382-10387.	3.3	40
18	Biochemical and Functional Analysis of Smallpox Growth Factor (SPGF) and Anti-SPGF Monoclonal Antibodies. Journal of Biological Chemistry, 2004, 279, 25838-25848.	1.6	39

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#	Article	IF	CITATIONS
19	Recognition Sequences for the GYF Domain Reveal a Possible Spliceosomal Function of CD2BP2. Journal of Biological Chemistry, 2004, 279, 28292-28297.	1.6	31
20	WIP and WICH/WIRE co-ordinately control invadopodium formation and maturation in human breast cancer cell invasion. Scientific Reports, 2016, 6, 23590.	1.6	22
21	Proteomic Characterization of Plasma Membrane-proximal T Cell Activation Responses. Journal of Biological Chemistry, 2011, 286, 4072-4080.	1.6	21
22	Actin on trafficking. Cell Adhesion and Migration, 2012, 6, 476-481.	1.1	13
23	Rab5 and Rac Team Up in Cell Motility. Cell, 2008, 134, 18-20.	13.5	12
24	Connecting the dots: combined control of endocytic recycling and degradation. Biochemical Society Transactions, 2020, 48, 2377-2386.	1.6	11
25	Cells in Slow Motion: Apparent Undercooling Increases Classy Behavior at Physiological Temperatures. Advanced Materials, 2021, 33, e2101840.	11.1	9
26	Laminin N-terminus α31 is upregulated in invasive ductal breast cancer and changes the mode of tumour invasion. PLoS ONE, 2022, 17, e0264430.	1.1	3
27	Cells in Slow Motion: Cells in Slow Motion: Apparent Undercooling Increases Glassy Behavior at Physiological Temperatures (Adv. Mater. 29/2021). Advanced Materials, 2021, 33, 2170230.	11.1	1