

Tobias Zech

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,776
citations

361413

20
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

3065
citing authors

#	ARTICLE	IF	CITATIONS
1	Accumulation of raft lipids in T-cell plasma membrane domains engaged in TCR signalling. <i>EMBO Journal</i> , 2009, 28, 466-476.	7.8	252
2	Visualizing membrane microdomains by Laurdan 2-photon microscopy (Review). <i>Molecular Membrane Biology</i> , 2006, 23, 41-48.	2.0	151
3	N-WASP coordinates the delivery and F-actin-mediated capture of MT1-MMP at invasive pseudopods. <i>Journal of Cell Biology</i> , 2012, 199, 527-544.	5.2	151
4	Actin polymerization driven by WASH causes V-ATPase retrieval and vesicle neutralization before exocytosis. <i>Journal of Cell Biology</i> , 2011, 193, 831-839.	5.2	144
5	Actin-Based Cell Protrusion in a 3D Matrix. <i>Trends in Cell Biology</i> , 2018, 28, 823-834.	7.9	128
6	The Arp2/3 activator WASH regulates β 1-integrin-mediated invasive migration. <i>Journal of Cell Science</i> , 2011, 124, 3753-3759.	2.0	127
7	Membrane Tension Orchestrates Rear Retraction in Matrix-Directed Cell Migration. <i>Developmental Cell</i> , 2019, 51, 460-475.e10.	7.0	112
8	Functional Implications of Plasma Membrane Condensation for T Cell Activation. <i>PLoS ONE</i> , 2008, 3, e2262.	2.5	96
9	Plasma membrane segregation during T cell activation: probing the order of domains. <i>Current Opinion in Immunology</i> , 2007, 19, 470-475.	5.5	67
10	Loss of Scar/WAVE Complex Promotes N-WASP- and FAK-Dependent Invasion. <i>Current Biology</i> , 2013, 23, 107-117.	3.9	64
11	Cyclical Action of the WASH Complex: FAM21 and Capping Protein Drive WASH Recycling, Not Initial Recruitment. <i>Developmental Cell</i> , 2013, 24, 169-181.	7.0	52
12	Local actin nucleation tunes centrosomal microtubule nucleation during passage through mitosis. <i>EMBO Journal</i> , 2019, 38, .	7.8	48
13	Synergistic Assembly of Linker for Activation of T Cells Signaling Protein Complexes in T Cell Plasma Membrane Domains. <i>Journal of Biological Chemistry</i> , 2003, 278, 20389-20394.	3.4	46
14	HRS-WASH axis governs actin-mediated endosomal recycling and cell invasion. <i>Journal of Cell Biology</i> , 2018, 217, 2549-2564.	5.2	46
15	STEF/TIAM2-mediated Rac1 activity at the nuclear envelope regulates the perinuclear actin cap. <i>Nature Communications</i> , 2018, 9, 2124.	12.8	45
16	PIKfyve, MTMR3 and their product PtdIns(5)P regulate cancer cell migration and invasion through activation of Rac1. <i>Biochemical Journal</i> , 2014, 461, 383-390.	3.7	42
17	Gadkin negatively regulates cell spreading and motility via sequestration of the actin-nucleating ARP2/3 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10382-10387.	7.1	40
18	Biochemical and Functional Analysis of Smallpox Growth Factor (SPGF) and Anti-SPGF Monoclonal Antibodies. <i>Journal of Biological Chemistry</i> , 2004, 279, 25838-25848.	3.4	39

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19	Recognition Sequences for the GYF Domain Reveal a Possible Spliceosomal Function of CD2BP2. <i>Journal of Biological Chemistry</i> , 2004, 279, 28292-28297.	3.4	31
20	WIP and WICH/WIRE co-ordinately control invadopodium formation and maturation in human breast cancer cell invasion. <i>Scientific Reports</i> , 2016, 6, 23590.	3.3	22
21	Proteomic Characterization of Plasma Membrane-proximal T Cell Activation Responses. <i>Journal of Biological Chemistry</i> , 2011, 286, 4072-4080.	3.4	21
22	Actin on trafficking. <i>Cell Adhesion and Migration</i> , 2012, 6, 476-481.	2.7	13
23	Rab5 and Rac Team Up in Cell Motility. <i>Cell</i> , 2008, 134, 18-20.	28.9	12
24	Connecting the dots: combined control of endocytic recycling and degradation. <i>Biochemical Society Transactions</i> , 2020, 48, 2377-2386.	3.4	11
25	Cells in Slow Motion: Apparent Undercooling Increases Glassy Behavior at Physiological Temperatures. <i>Advanced Materials</i> , 2021, 33, e2101840.	21.0	9
26	Laminin N-terminus $\hat{1}\pm 31$ is upregulated in invasive ductal breast cancer and changes the mode of tumour invasion. <i>PLoS ONE</i> , 2022, 17, e0264430.	2.5	3
27	Cells in Slow Motion: Apparent Undercooling Increases Glassy Behavior at Physiological Temperatures (Adv. Mater. 29/2021). <i>Advanced Materials</i> , 2021, 33, 2170230.	21.0	1