

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	Laminin N-terminus β 1 is upregulated in invasive ductal breast cancer and changes the mode of tumour invasion. PLoS ONE, 2022, 17, e0264430.	2.5	3
2	Cells in Slow Motion: Apparent Undercooling Increases Glassy Behavior at Physiological Temperatures. Advanced Materials, 2021, 33, e2101840.	21.0	9
3	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.	21.0	1
4	Connecting the dots: combined control of endocytic recycling and degradation. Biochemical Society Transactions, 2020, 48, 2377-2386.	3.4	11
5	Membrane Tension Orchestrates Rear Retraction in Matrix-Directed Cell Migration. Developmental Cell, 2019, 51, 460-475.e10.	7.0	112
6	Local actin nucleation tunes centrosomal microtubule nucleation during passage through mitosis. EMBO Journal, 2019, 38, .	7.8	48
7	STEF/TIAM2-mediated Rac1 activity at the nuclear envelope regulates the perinuclear actin cap. Nature Communications, 2018, 9, 2124.	12.8	45
8	Actin-Based Cell Protrusion in a 3D Matrix. Trends in Cell Biology, 2018, 28, 823-834.	7.9	128
9	HRS-WASH axis governs actin-mediated endosomal recycling and cell invasion. Journal of Cell Biology, 2018, 217, 2549-2564.	5.2	46
10	WIP and WICH/WIRE co-ordinately control invadopodium formation and maturation in human breast cancer cell invasion. Scientific Reports, 2016, 6, 23590.	3.3	22
11	PIKfyve, MTMR3 and their product PtdIns5P regulate cancer cell migration and invasion through activation of Rac1. Biochemical Journal, 2014, 461, 383-390.	3.7	42
12	Loss of Scar/WAVE Complex Promotes N-WASP- and FAK-Dependent Invasion. Current Biology, 2013, 23, 107-117.	3.9	64
13	Cyclical Action of the WASH Complex: FAM21 and Capping Protein Drive WASH Recycling, Not Initial Recruitment. Developmental Cell, 2013, 24, 169-181.	7.0	52
14	Actin on trafficking. Cell Adhesion and Migration, 2012, 6, 476-481.	2.7	13
15	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.	7.1	40
16	N-WASP coordinates the delivery and F-actin-mediated capture of MT1-MMP at invasive pseudopods. Journal of Cell Biology, 2012, 199, 527-544.	5.2	151
17	Actin polymerization driven by WASH causes V-ATPase retrieval and vesicle neutralization before exocytosis. Journal of Cell Biology, 2011, 193, 831-839.	5.2	144
18	The Arp2/3 activator WASH regulates β 1-integrin-mediated invasive migration. Journal of Cell Science, 2011, 124, 3753-3759.	2.0	127

#	ARTICLE	IF	CITATIONS
19	Proteomic Characterization of Plasma Membrane-proximal T Cell Activation Responses. <i>Journal of Biological Chemistry</i> , 2011, 286, 4072-4080.	3.4	21
20	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
21	Rab5 and Rac Team Up in Cell Motility. <i>Cell</i> , 2008, 134, 18-20.	28.9	12
22	Functional Implications of Plasma Membrane Condensation for T Cell Activation. <i>PLoS ONE</i> , 2008, 3, e2262.	2.5	96
23	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
24	Visualizing membrane microdomains by Laurdan 2-photon microscopy (Review). <i>Molecular Membrane Biology</i> , 2006, 23, 41-48.	2.0	151
25	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
26	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
27	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