

Ville O Paavilainen

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,293
citations

331670

21
h-index

434195

31
g-index

39
all docs

39
docs citations

39
times ranked

3062
citing authors

#	ARTICLE	IF	CITATIONS
1	Missing-in-metastasis and IRSp53 deform PI(4,5)P2-rich membranes by an inverse BAR domain-like mechanism. <i>Journal of Cell Biology</i> , 2007, 176, 953-964.	5.2	349
2	Prolonged and tunable residence time using reversible covalent kinase inhibitors. <i>Nature Chemical Biology</i> , 2015, 11, 525-531.	8.0	324
3	Regulation of cytoskeletal dynamics by actin-monomer-binding proteins. <i>Trends in Cell Biology</i> , 2004, 14, 386-394.	7.9	217
4	Electrophilic Fragment-Based Design of Reversible Covalent Kinase Inhibitors. <i>Journal of the American Chemical Society</i> , 2013, 135, 5298-5301.	13.7	162
5	Structure of the actin-depolymerizing factor homology domain in complex with actin. <i>Journal of Cell Biology</i> , 2008, 182, 51-59.	5.2	143
6	Mycolactone subverts immunity by selectively blocking the Sec61 translocon. <i>Journal of Experimental Medicine</i> , 2016, 213, 2885-2896.	8.5	101
7	GMF Is a Cofilin Homolog that Binds Arp2/3 Complex to Stimulate Filament Debranching and Inhibit Actin Nucleation. <i>Current Biology</i> , 2010, 20, 861-867.	3.9	99
8	Apratoxin Kills Cells by Direct Blockade of the Sec61 Protein Translocation Channel. <i>Cell Chemical Biology</i> , 2016, 23, 561-566.	5.2	87
9	Identification of Yeast Cofilin Residues Specific for Actin Monomer and PIP2 Binding. <i>Biochemistry</i> , 2001, 40, 15562-15569.	2.5	77
10	The Two ADF-H Domains of Twinfilin Play Functionally Distinct Roles in Interactions with Actin Monomers. <i>Molecular Biology of the Cell</i> , 2002, 13, 3811-3821.	2.1	75
11	An allosteric Sec61 inhibitor traps nascent transmembrane helices at the lateral gate. <i>ELife</i> , 2014, 3, e01483.	6.0	72
12	Biological role and structural mechanism of twinfilin-capping protein interaction. <i>EMBO Journal</i> , 2004, 23, 3010-3019.	7.8	71
13	Structural basis and evolutionary origin of actin filament capping by twinfilin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3113-3118.	7.1	67
14	Rapamycin-inspired macrocycles with new target specificity. <i>Nature Chemistry</i> , 2019, 11, 254-263.	13.6	65
15	Ipomoeassin F Binds Sec61 to Inhibit Protein Translocation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8450-8461.	13.7	58
16	Proteomics Reveals Scope of Mycolactone-mediated Sec61 Blockade and Distinctive Stress Signature. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1750-1765.	3.8	50
17	Structural Conservation between the Actin Monomer-binding Sites of Twinfilin and Actin-depolymerizing Factor (ADF)/Cofilin. <i>Journal of Biological Chemistry</i> , 2002, 277, 43089-43095.	3.4	44
18	Coibamide A Targets Sec61 to Prevent Biogenesis of Secretory and Membrane Proteins. <i>ACS Chemical Biology</i> , 2020, 15, 2125-2136.	3.4	39

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19	Natural products as modulators of eukaryotic protein secretion. <i>Natural Product Reports</i> , 2020, 37, 717-736.	10.3	31
20	Functional reconstitution of human equilibrative nucleoside transporter-1 into styrene maleic acid co-polymer lipid particles. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 1059-1065.	2.6	29
21	Snapshots of actin and tubulin folding inside the TRiC chaperonin. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 420-429.	8.2	29
22	Solution structure of coactosin reveals structural homology to ADF/cofilin family proteins. <i>FEBS Letters</i> , 2004, 576, 91-96.	2.8	21
23	ASD-Associated De Novo Mutations in Five Actin Regulators Show Both Shared and Distinct Defects in Dendritic Spines and Inhibitory Synapses in Cultured Hippocampal Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 217.	3.7	20
24	Current Progress on Equilibrative Nucleoside Transporter Function and Inhibitor Design. <i>SLAS Discovery</i> , 2019, 24, 953-968.	2.7	15
25	Targeting of HER/ErbB family proteins using broad spectrum Sec61 inhibitors coibamide A and apratoxin A. <i>Biochemical Pharmacology</i> , 2021, 183, 114317.	4.4	13
26	Wherever I may roam: organellar protein targeting and evolvability. <i>Current Opinion in Genetics and Development</i> , 2019, 58-59, 9-16.	3.3	9
27	Carbonic anhydrase seven bundles filamentous actin and regulates dendritic spine morphology and density. <i>EMBO Reports</i> , 2021, 22, e50145.	4.5	5
28	Kendomycin Cytotoxicity against Bacterial, Fungal, and Mammalian Cells Is Due to Cation Chelation. <i>Journal of Natural Products</i> , 2020, 83, 965-971.	3.0	4
29	Protein translocation and retro-translocation across the endoplasmic reticulum are crucial to inflammatory effector CD4+ T cell function. <i>Cytokine</i> , 2020, 129, 154944.	3.2	3
30	Twinfilin Family of Actin Monomer-Binding Proteins. , 2007, , 53-60.		2
31	Letter to the editor: 1H, 13C and 15N resonance assignments of coactosin, a cytoskeletal regulatory protein. <i>Journal of Biomolecular NMR</i> , 2004, 30, 365-366.	2.8	1
32	NMR assignment of the C-terminal ADF-H domain of an actin monomer binding protein, twinfilin. <i>Journal of Biomolecular NMR</i> , 2006, 36, 66-66.	2.8	1
33	Proteostasis Modulators with Discriminating Taste. <i>Chemistry and Biology</i> , 2013, 20, 144-145.	6.0	0