

# Anthony P Bretscher

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2932738/anthony-p-bretscher-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61  
papers

8,225  
citations

39  
h-index

68  
g-index

68  
ext. papers

8,896  
ext. citations

11  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
61	ERM proteins and merlin: integrators at the cell cortex. <i>Nature Reviews Molecular Cell Biology</i> , <b>2002</b> , 3, 586-99	48.7	1318
60	Organizing the cell cortex: the role of ERM proteins. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 276-87	48.7	729
59	A kinase-regulated PDZ-domain interaction controls endocytic sorting of the beta2-adrenergic receptor. <i>Nature</i> , <b>1999</b> , 401, 286-90	50.4	592
58	Identification of EBP50: A PDZ-containing phosphoprotein that associates with members of the ezrin-radixin-moesin family. <i>Journal of Cell Biology</i> , <b>1997</b> , 139, 169-79	7.3	525
57	Structure of the ERM protein moesin reveals the FERM domain fold masked by an extended actin binding tail domain. <i>Cell</i> , <b>2000</b> , 101, 259-70	56.2	498
56	Villin is a major protein of the microvillus cytoskeleton which binds both G and F actin in a calcium-dependent manner. <i>Cell</i> , <b>1980</b> , 20, 839-47	56.2	425
55	Formins direct Arp2/3-independent actin filament assembly to polarize cell growth in yeast. <i>Nature Cell Biology</i> , <b>2002</b> , 4, 32-41	23.4	368
54	ERM-Merlin and EBP50 protein families in plasma membrane organization and function. <i>Annual Review of Cell and Developmental Biology</i> , <b>2000</b> , 16, 113-43	12.6	326
53	Mechanisms of polarized growth and organelle segregation in yeast. <i>Annual Review of Cell and Developmental Biology</i> , <b>2004</b> , 20, 559-91	12.6	311
52	Tropomyosin-containing actin cables direct the Myo2p-dependent polarized delivery of secretory vesicles in budding yeast. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 1931-45	7.3	295
51	The COOH-terminal domain of Myo2p, a yeast myosin V, has a direct role in secretory vesicle targeting. <i>Journal of Cell Biology</i> , <b>1999</b> , 147, 791-808	7.3	212
50	Secretory vesicle transport velocity in living cells depends on the myosin-V lever arm length. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 35-9	7.3	178
49	The carboxyl-terminal region of EBP50 binds to a site in the amino-terminal domain of ezrin that is masked in the dormant molecule. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 18452-8	5.4	166
48	Immunohistochemical localization of several cytoskeletal proteins in inner ear sensory and supporting cells. <i>Hearing Research</i> , <b>1982</b> , 7, 75-89	3.9	164
47	Stable and dynamic axes of polarity use distinct formin isoforms in budding yeast. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 4971-89	3.5	130
46	Identification of a novel member of the chloride intracellular channel gene family (CLIC5) that associates with the actin cytoskeleton of placental microvilli. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 1509-21	3.5	129
45	Polarized growth and organelle segregation in yeast: the tracks, motors, and receptors. <i>Journal of Cell Biology</i> , <b>2003</b> , 160, 811-6	7.3	126

44	C-terminal threonine phosphorylation activates ERM proteins to link the cell's cortical lipid bilayer to the cytoskeleton. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 253, 561-5	3.4	118
43	Moesin, the major ERM protein of lymphocytes and platelets, differs from ezrin in its insensitivity to calpain. <i>FEBS Letters</i> , <b>1999</b> , 443, 31-6	3.8	93
42	Structure, regulation, and functional diversity of microvilli on the apical domain of epithelial cells. <i>Annual Review of Cell and Developmental Biology</i> , <b>2015</b> , 31, 593-621	12.6	90
41	Self-masking in an intact ERM-merlin protein: an active role for the central alpha-helical domain. <i>Journal of Molecular Biology</i> , <b>2007</b> , 365, 1446-59	6.5	89
40	PI4P and Rab inputs collaborate in myosin-V-dependent transport of secretory compartments in yeast. <i>Developmental Cell</i> , <b>2011</b> , 20, 47-59	10.2	85
39	Hierarchy of merlin and ezrin N- and C-terminal domain interactions in homo- and heterotypic associations and their relationship to binding of scaffolding proteins EBP50 and E3KARP. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 7621-9	5.4	77
38	Identification of EPI64, a TBC/rabGAP domain-containing microvillar protein that binds to the first PDZ domain of EBP50 and E3KARP. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 191-206	7.3	68
37	Local phosphocycling mediated by LOK/SLK restricts ezrin function to the apical aspect of epithelial cells. <i>Journal of Cell Biology</i> , <b>2012</b> , 199, 969-84	7.3	66
36	EPI64 regulates microvillar subdomains and structure. <i>Journal of Cell Biology</i> , <b>2006</b> , 175, 803-13	7.3	65
35	Distinct cell type-specific expression of scaffolding proteins EBP50 and E3KARP: EBP50 is generally expressed with ezrin in specific epithelia, whereas E3KARP is not. <i>European Journal of Cell Biology</i> , <b>2002</b> , 81, 61-8	6.1	63
34	Ras regulates the polarity of the yeast actin cytoskeleton through the stress response pathway. <i>Molecular Biology of the Cell</i> , <b>2001</b> , 12, 1541-55	3.5	62
33	The EBP50-moesin interaction involves a binding site regulated by direct masking on the FERM domain. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 1547-52	5.3	60
32	The scaffolding protein EBP50 regulates microvillar assembly in a phosphorylation-dependent manner. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 397-413	7.3	54
31	Myosin-V is activated by binding secretory cargo and released in coordination with Rab/exocyst function. <i>Developmental Cell</i> , <b>2012</b> , 23, 769-81	10.2	49
30	The surprising dynamics of scaffolding proteins. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 2315-9	3.5	48
29	A regulated complex of the scaffolding proteins PDZK1 and EBP50 with ezrin contribute to microvillar organization. <i>Molecular Biology of the Cell</i> , <b>2010</b> , 21, 1519-29	3.5	47
28	Microfilaments and microtubules: the news from yeast. <i>Current Opinion in Microbiology</i> , <b>2002</b> , 5, 564-74	7.9	46
27	The tumor suppressor merlin controls growth in its open state, and phosphorylation converts it to a less-active more-closed state. <i>Developmental Cell</i> , <b>2012</b> , 22, 703-5	10.2	44

26	Tracking individual secretory vesicles during exocytosis reveals an ordered and regulated process. <i>Journal of Cell Biology</i> , <b>2015</b> , 210, 181-9	7.3	42
25	Dynamics of ezrin and EBP50 in regulating microvilli on the apical aspect of epithelial cells. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 189-94	5.1	40
24	Regulation of actin-based apical structures on epithelial cells. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	40
23	PDZ interactions regulate rapid turnover of the scaffolding protein EBP50 in microvilli. <i>Journal of Cell Biology</i> , <b>2012</b> , 198, 195-203	7.3	37
22	Ezrin mutants affecting dimerization and activation. <i>Biochemistry</i> , <b>2005</b> , 44, 3926-32	3.2	37
21	Interactome analysis reveals ezrin can adopt multiple conformational states. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 35437-51	5.4	34
20	Ezrin activation by LOK phosphorylation involves a PIP-dependent wedge mechanism. <i>ELife</i> , <b>2017</b> , 6,	8.9	31
19	Identification and molecular characterization of the calmodulin-binding subunit gene (CMP1) of protein phosphatase 2B from <i>Saccharomyces cerevisiae</i> . An alpha-factor inducible gene. <i>FEBS Journal</i> , <b>1992</b> , 204, 713-23		28
18	Yeast actin is relatively well behaved. <i>FEBS Journal</i> , <b>1992</b> , 206, 949-55		26
17	Cordon Bleu serves as a platform at the basal region of microvilli, where it regulates microvillar length through its WH2 domains. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 2817-27	3.5	25
16	Head-to-tail regulation is critical for the in vivo function of myosin V. <i>Journal of Cell Biology</i> , <b>2015</b> , 209, 359-65	7.3	22
15	ATPase activity of the microvillar 110 kDa polypeptide-calmodulin complex is activated in Mg <sup>2+</sup> and inhibited in K <sup>+</sup> -EDTA by F-actin. <i>FEBS Letters</i> , <b>1987</b> , 225, 269-72	3.8	20
14	Rapid glucose depletion immobilizes active myosin V on stabilized actin cables. <i>Current Biology</i> , <b>2014</b> , 24, 2471-9	6.3	14
13	Yeast Aim21/Tda2 both regulates free actin by reducing barbed end assembly and forms a complex with Cap1/Cap2 to balance actin assembly between patches and cables. <i>Molecular Biology of the Cell</i> , <b>2018</b> , 29, 923-936	3.5	10
12	Kinesin-related Smy1 enhances the Rab-dependent association of myosin-V with secretory cargo. <i>Molecular Biology of the Cell</i> , <b>2016</b> , 27, 2450-62	3.5	8
11	Effector-mediated ERM activation locally inhibits RhoA activity to shape the apical cell domain. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	8
10	Molecular architecture of the microvillus cytoskeleton. <i>Novartis Foundation Symposium</i> , <b>1983</b> , 95, 164-79		7
9	The cytoskeletal linker protein moesin: decreased levels in Wiskott-Aldrich syndrome platelets and identification of a cleavage pathway in normal platelets. <i>British Journal of Haematology</i> , <b>1999</b> , 106, 216-23 <sup>5</sup>		5

8	The function and dynamics of the apical scaffolding protein E3KARP are regulated by cell-cycle phosphorylation. <i>Molecular Biology of the Cell</i> , <b>2015</b> , 26, 3615-27	3.5	3
7	Microtubule tips redirect actin assembly. <i>Developmental Cell</i> , <b>2005</b> , 8, 458-9	10.2	3
6	Preparation of immobilized monomeric actin and its use in the isolation of protease-free and ribonuclease-free pancreatic deoxyribonuclease I. <i>FEBS Journal</i> , <b>1989</b> , 179, 215-9		3
5	Epithelial polarity: dual Lkb1 pathways regulate apical microvilli. <i>Developmental Cell</i> , <b>2009</b> , 16, 491-2	10.2	2
4	Yeast Rgd3 is a phospho-regulated F-BAR-containing RhoGAP involved in the regulation of Rho3 distribution and cell morphology. <i>Molecular Biology of the Cell</i> , <b>2020</b> , 31, 2570-2582	3.5	2
3	Magazine or journal--what is the difference? The role of the monitoring editor. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 887-9	3.5	1
2	Deconstructing formin-dependent actin cable assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18744-5	11.5	1
1	The RabGAPs EPI64A and EPI64B regulate the apical structure of epithelial cells. <i>Molecular Biology of the Cell</i> , <b>2022</b> , 33, ar8	3.5	