Anthony P Bretscher

List of Publications by Year in Descending Order

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61	8,225	39	68
papers	citations	h-index	g-index
68	8,896	11	6.01
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
61	The RabGAPs EPI64A and EPI64B regulate the apical structure of epithelial cells. *Molecular Biology of the Cell*, **2022**, 33, ar8	3.5	
60	Effector-mediated ERM activation locally inhibits RhoA activity to shape the apical cell domain. *Journal of Cell Biology*, **2021**, 220,	7.3	8
59	Yeast Rgd3 is a phospho-regulated F-BAR-containing RhoGAP involved in the regulation of Rho3 distribution and cell morphology. *Molecular Biology of the Cell*, **2020**, 31, 2570-2582	3.5	2
58	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. *Molecular Biology of the Cell*, **2018**, 29, 923-936	3.5	10
57	Regulation of actin-based apical structures on epithelial cells. *Journal of Cell Science*, **2018**, 131,	5.3	40
56	Ezrin activation by LOK phosphorylation involves a PIP-dependent wedge mechanism. *ELife*, **2017**, 6,	8.9	31
55	Kinesin-related Smy1 enhances the Rab-dependent association of myosin-V with secretory cargo. *Molecular Biology of the Cell*, **2016**, 27, 2450-62	3.5	8
54	Tracking individual secretory vesicles during exocytosis reveals an ordered and regulated process. *Journal of Cell Biology*, **2015**, 210, 181-9	7.3	42
53	Head-to-tail regulation is critical for the in vivo function of myosin V. *Journal of Cell Biology*, **2015**, 209, 359-65	7.3	22
52	The function and dynamics of the apical scaffolding protein E3KARP are regulated by cell-cycle phosphorylation. *Molecular Biology of the Cell*, **2015**, 26, 3615-27	3.5	3
51	Structure, regulation, and functional diversity of microvilli on the apical domain of epithelial cells. *Annual Review of Cell and Developmental Biology*, **2015**, 31, 593-621	12.6	90
50	Dynamics of ezrin and EBP50 in regulating microvilli on the apical aspect of epithelial cells. *Biochemical Society Transactions*, **2014**, 42, 189-94	5.1	40
49	The surprising dynamics of scaffolding proteins. *Molecular Biology of the Cell*, **2014**, 25, 2315-9	3.5	48
48	Rapid glucose depletion immobilizes active myosin V on stabilized actin cables. *Current Biology*, **2014**, 24, 2471-9	6.3	14
47	Cordon Bleu serves as a platform at the basal region of microvilli, where it regulates microvillar length through its WH2 domains. *Molecular Biology of the Cell*, **2014**, 25, 2817-27	3.5	25
46	Interactome analysis reveals ezrin can adopt multiple conformational states. *Journal of Biological Chemistry*, **2013**, 288, 35437-51	5.4	34
45	Magazine or journal--what is the difference? The role of the monitoring editor. *Molecular Biology of the Cell*, **2013**, 24, 887-9	3.5	1

44	Deconstructing formin-dependent actin cable assembly. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 18744-5	11.5	1
43	Local phosphocycling mediated by LOK/SLK restricts ezrin function to the apical aspect of epithelial cells. *Journal of Cell Biology*, **2012**, 199, 969-84	7.3	66
42	Myosin-V is activated by binding secretory cargo and released in coordination with Rab/exocyst function. *Developmental Cell*, **2012**, 23, 769-81	10.2	49
41	The tumor suppressor merlin controls growth in its open state, and phosphorylation converts it to a less-active more-closed state. *Developmental Cell*, **2012**, 22, 703-5	10.2	44
40	PDZ interactions regulate rapid turnover of the scaffolding protein EBP50 in microvilli. *Journal of Cell Biology*, **2012**, 198, 195-203	7.3	37
39	PI4P and Rab inputs collaborate in myosin-V-dependent transport of secretory compartments in yeast. *Developmental Cell*, **2011**, 20, 47-59	10.2	85
38	Organizing the cell cortex: the role of ERM proteins. *Nature Reviews Molecular Cell Biology*, **2010**, 11, 276-87	48.7	729
37	The scaffolding protein EBP50 regulates microvillar assembly in a phosphorylation-dependent manner. *Journal of Cell Biology*, **2010**, 191, 397-413	7.3	54
36	A regulated complex of the scaffolding proteins PDZK1 and EBP50 with ezrin contribute to microvillar organization. *Molecular Biology of the Cell*, **2010**, 21, 1519-29	3.5	47
35	Epithelial polarity: dual Lkb1 pathways regulate apical microvilli. *Developmental Cell*, **2009**, 16, 491-2	10.2	2
34	Self-masking in an intact ERM-merlin protein: an active role for the central alpha-helical domain. *Journal of Molecular Biology*, **2007**, 365, 1446-59	6.5	89
33	EPI64 regulates microvillar subdomains and structure. *Journal of Cell Biology*, **2006**, 175, 803-13	7.3	65
32	Ezrin mutants affecting dimerization and activation. *Biochemistry*, **2005**, 44, 3926-32	3.2	37
31	Microtubule tips redirect actin assembly. *Developmental Cell*, **2005**, 8, 458-9	10.2	3
30	The EBP50-moesin interaction involves a binding site regulated by direct masking on the FERM domain. *Journal of Cell Science*, **2004**, 117, 1547-52	5.3	60
29	Stable and dynamic axes of polarity use distinct formin isoforms in budding yeast. *Molecular Biology of the Cell*, **2004**, 15, 4971-89	3.5	130
28	Mechanisms of polarized growth and organelle segregation in yeast. *Annual Review of Cell and Developmental Biology*, **2004**, 20, 559-91	12.6	311
27	Polarized growth and organelle segregation in yeast: the tracks, motors, and receptors. *Journal of Cell Biology*, **2003**, 160, 811-6	7.3	126

26	Distinct cell type-specific expression of scaffolding proteins EBP50 and E3KARP: EBP50 is generally expressed with ezrin in specific epithelia, whereas E3KARP is not. *European Journal of Cell Biology*, **2002**, 81, 61-8	6.1	63
25	Formins direct Arp2/3-independent actin filament assembly to polarize cell growth in yeast. *Nature Cell Biology*, **2002**, 4, 32-41	23.4	368
24	ERM proteins and merlin: integrators at the cell cortex. *Nature Reviews Molecular Cell Biology*, **2002**, 3, 586-99	48.7	1318
23	Secretory vesicle transport velocity in living cells depends on the myosin-V lever arm length. *Journal of Cell Biology*, **2002**, 156, 35-9	7.3	178
22	Microfilaments and microtubules: the news from yeast. *Current Opinion in Microbiology*, **2002**, 5, 564-74	7.9	46
21	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. *Journal of Biological Chemistry*, **2001**, 276, 7621-9	5.4	77
20	Identification of EPI64, a TBC/rabGAP domain-containing microvillar protein that binds to the first PDZ domain of EBP50 and E3KARP. *Journal of Cell Biology*, **2001**, 153, 191-206	7.3	68
19	Ras regulates the polarity of the yeast actin cytoskeleton through the stress response pathway. *Molecular Biology of the Cell*, **2001**, 12, 1541-55	3.5	62
18	Identification of a novel member of the chloride intracellular channel gene family (CLIC5) that associates with the actin cytoskeleton of placental microvilli. *Molecular Biology of the Cell*, **2000**, 11, 1509-21	3.5	129
17	Structure of the ERM protein moesin reveals the FERM domain fold masked by an extended actin binding tail domain. *Cell*, **2000**, 101, 259-70	56.2	498
16	ERM-Merlin and EBP50 protein families in plasma membrane organization and function. *Annual Review of Cell and Developmental Biology*, **2000**, 16, 113-43	12.6	326
15	The COOH-terminal domain of Myo2p, a yeast myosin V, has a direct role in secretory vesicle targeting. *Journal of Cell Biology*, **1999**, 147, 791-808	7.3	212
14	The cytoskeletal linker protein moesin: decreased levels in Wiskott-Aldrich syndrome platelets and identification of a cleavage pathway in normal platelets. *British Journal of Haematology*, **1999**, 106, 216-23	4.5	5
13	A kinase-regulated PDZ-domain interaction controls endocytic sorting of the beta2-adrenergic receptor. *Nature*, **1999**, 401, 286-90	50.4	592
12	Moesin, the major ERM protein of lymphocytes and platelets, differs from ezrin in its insensitivity to calpain. *FEBS Letters*, **1999**, 443, 31-6	3.8	93
11	C-terminal threonine phosphorylation activates ERM proteins to link the cellЂs cortical lipid bilayer to the cytoskeleton. *Biochemical and Biophysical Research Communications*, **1998**, 253, 561-5	3.4	118
10	Tropomyosin-containing actin cables direct the Myo2p-dependent polarized delivery of secretory vesicles in budding yeast. *Journal of Cell Biology*, **1998**, 143, 1931-45	7.3	295
9	The carboxyl-terminal region of EBP50 binds to a site in the amino-terminal domain of ezrin that is masked in the dormant molecule. *Journal of Biological Chemistry*, **1998**, 273, 18452-8	5.4	166

8	Identification of EBP50: A PDZ-containing phosphoprotein that associates with members of the ezrin-radixin-moesin family. *Journal of Cell Biology*, **1997**, 139, 169-79	7.3	525
7	Identification and molecular characterization of the calmodulin-binding subunit gene (CMP1) of protein phosphatase 2B from Saccharomyces cerevisiae. An alpha-factor inducible gene. *FEBS Journal*, **1992**, 204, 713-23		28
6	Yeast actin is relatively well behaved. *FEBS Journal*, **1992**, 206, 949-55		26
5	Preparation of immobilized monomeric actin and its use in the isolation of protease-free and ribonuclease-free pancreatic deoxyribonuclease I. *FEBS Journal*, **1989**, 179, 215-9		3
4	ATPase activity of the microvillar 110 kDa polypeptide-calmodulin complex is activated in Mg2+ and inhibited in K+-EDTA by F-actin. *FEBS Letters*, **1987**, 225, 269-72	3.8	20
3	Molecular architecture of the microvillus cytoskeleton. *Novartis Foundation Symposium*, **1983**, 95, 164-79		7
2	Immunohistochemical localization of several cytoskeletal proteins in inner ear sensory and supporting cells. *Hearing Research*, **1982**, 7, 75-89	3.9	164
1	Villin is a major protein of the microvillus cytoskeleton which binds both G and F actin in a calcium-dependent manner. *Cell*, **1980**, 20, 839-47	56.2	425