Anthony P Bretscher

List of Publications by Year
in descending order

62 papers	9,348 citations	76196 40 h-index	123241 61 g-index
68 all docs	68 docs citations	68 times ranked	7773 citing authors

#	Article	IF	Citations
1	ERM proteins and merlin: integrators at the cell cortex. Nature Reviews Molecular Cell Biology, 2002, 3, 586-599.	16.1	1,468
2	Organizing the cell cortex: the role of ERM proteins. Nature Reviews Molecular Cell Biology, 2010, 11, 276-287.	16.1	884
3	A kinase-regulated PDZ-domain interaction controls endocytic sorting of the Î²2-adrenergic receptor. Nature, 1999, 401, 286-290.	13.7	637
4	Identification of EBP50: A PDZ-containing Phosphoprotein that Associates with Members of the Ezrin-Radixin-Moesin Family. Journal of Cell Biology, 1997, 139, 169-179.	2.3	562
5	Structure of the ERM Protein Moesin Reveals the FERM Domain Fold Masked by an Extended Actin Binding Tail Domain. Cell, 2000, 101, 259-270.	13.5	555
6	Villin is a major protein of the microvillus cystoskeleton which binds both G and F actin in a calcium-dependent manner. Cell, 1980, 20, 839-847.	13.5	461
7	Formins direct Arp2/3-independent actin filament assembly to polarize cell growth in yeast. Nature Cell Biology, 2002, 4, 32-41.	4.6	405
8	ERM-Merlin and EBP50 Protein Families in Plasma Membrane Organization and Function. Annual Review of Cell and Developmental Biology, 2000, 16, 113-143.	4.0	354
9	MECHANISMS OF POLARIZED GROWTH AND ORGANELLE SEGREGATION IN YEAST. Annual Review of Cell and Developmental Biology, 2004, 20, 559-591.	4.0	344
10	Tropomyosin-containing Actin Cables Direct the Myo2p-dependent Polarized Delivery of Secretory Vesicles in Budding Yeast. Journal of Cell Biology, 1998, 143, 1931-1945.	2.3	310
11	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.	2.3	228
12	Secretory vesicle transport velocity in living cells depends on the myosin-V lever arm length. Journal of Cell Biology, 2002, 156, 35-40.	2.3	198
13	Immunohistochemical localization of several cytoskeletal proteins in inner ear sensory and supporting cells. Hearing Research, 1982, 7, 75-89.	0.9	184
14	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, 18452-18458.	1.6	182
15	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, 1509-1521.	0.9	147
16	Stable and Dynamic Axes of Polarity Use Distinct Formin Isoforms in Budding Yeast. Molecular Biology of the Cell, 2004, 15, 4971-4989.	0.9	142
17	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.	4.0	136
18	Polarized growth and organelle segregation in yeast. Journal of Cell Biology, 2003, 160, 811-816.	2.3	133

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19	C-Terminal Threonine Phosphorylation Activates ERM Proteins to Link the Cell's Cortical Lipid Bilayer to the Cytoskeleton. Biochemical and Biophysical Research Communications, 1998, 253, 561-565.	1.0	129
20	Self-masking in an Intact ERM-merlin Protein: An Active Role for the Central Î±-Helical Domain. Journal of Molecular Biology, 2007, 365, 1446-1459.	2.0	111
21	Moesin, the major ERM protein of lymphocytes and platelets, differs from ezrin in its insensitivity to calpain. FEBS Letters, 1999, 443, 31-36.	1.3	100
22	Local phosphocycling mediated by LOK/SLK restricts ezrin function to the apical aspect of epithelial cells. Journal of Cell Biology, 2012, 199, 969-984.	2.3	96
23	PI4P and Rab Inputs Collaborate in Myosin-V-Dependent Transport of Secretory Compartments in Yeast. Developmental Cell, 2011, 20, 47-59.	3.1	95
24	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, 7621-7629.	1.6	92
25	Regulation of actin-based apical structures on epithelial cells. Journal of Cell Science, 2018, 131, .	1.2	77
26	Tracking individual secretory vesicles during exocytosis reveals an ordered and regulated process. Journal of Cell Biology, 2015, 210, 181-189.	2.3	75
27	EPI64 regulates microvillar subdomains and structure. Journal of Cell Biology, 2006, 175, 803-813.	2.3	73
28	Identification of Epi64, a Tbc/Rabgap Domainâ€"Containing Microvillar Protein That Binds to the First PDZ Domain of Ebp50 and E3karp. Journal of Cell Biology, 2001, 153, 191-206.	2.3	72
29	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, 61-68.	1.6	70
30	The EBP50-moesin interaction involves a binding site regulated by direct masking on the FERM domain. Journal of Cell Science, 2004, 117, 1547-1552.	1.2	68
31	Ras Regulates the Polarity of the Yeast Actin Cytoskeleton through the Stress Response Pathway. Molecular Biology of the Cell, 2001, 12, 1541-1555.	0.9	67
32	The scaffolding protein EBP50 regulates microvillar assembly in a phosphorylation-dependent manner. Journal of Cell Biology, 2010, 191, 397-413.	2.3	63
33	Myosin-V Is Activated by Binding Secretory Cargo and Released in Coordination with Rab/Exocyst Function. Developmental Cell, 2012, 23, 769-781.	3.1	63
34	The surprising dynamics of scaffolding proteins. Molecular Biology of the Cell, 2014, 25, 2315-2319.	0.9	63
35	Caldesmon: Thin filament regulatory proteins of smooth- and non-muscle cells. Nature, 1986, 321, 726-727.	13.7	60
36	A Regulated Complex of the Scaffolding Proteins PDZK1 and EBP50 with Ezrin Contribute to Microvillar Organization. Molecular Biology of the Cell, 2010, 21, 1519-1529.	0.9	57

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37	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, 703-705.	3.1	56
38	Microfilaments and microtubules: the news from yeast. Current Opinion in Microbiology, 2002, 5, 564-574.	2.3	51
39	Ezrin activation by LOK phosphorylation involves a PIP2-dependent wedge mechanism. ELife, 2017, 6, .	2.8	48
40	PDZ interactions regulate rapid turnover of the scaffolding protein EBP50 in microvilli. Journal of Cell Biology, 2012, 198, 195-203.	2.3	47
41	Dynamics of ezrin and EBP50 in regulating microvilli on the apical aspect of epithelial cells. Biochemical Society Transactions, 2014, 42, 189-194.	1.6	45
42	Ezrin Mutants Affecting Dimerization and Activationâ€. Biochemistry, 2005, 44, 3926-3932.	1.2	41
43	Interactome Analysis Reveals Ezrin Can Adopt Multiple Conformational States. Journal of Biological Chemistry, 2013, 288, 35437-35451.	1.6	40
44	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, 713-723.	0.2	34
45	Yeast actin is relatively well behaved. FEBS Journal, 1992, 206, 949-955.	0.2	29
46	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, 2817-2827.	0.9	29
47	Head-to-tail regulation is critical for the in vivo function of myosin V. Journal of Cell Biology, 2015, 209, 359-365.	2.3	29
48	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, 269-272.	1.3	23
49	Effector-mediated ERM activation locally inhibits RhoA activity to shape the apical cell domain. Journal of Cell Biology, 2021, 220, .	2.3	23
50	Rapid Glucose Depletion Immobilizes Active Myosin V on Stabilized Actin Cables. Current Biology, 2014, 24, 2471-2479.	1.8	19
51	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.	0.9	19
52	Kinesin-related Smy1 enhances the Rab-dependent association of myosin-V with secretory cargo. Molecular Biology of the Cell, 2016, 27, 2450-2462.	0.9	13
53	Molecular Architecture of the Microvillus Cytoskeleton. Novartis Foundation Symposium, 1983, 95, 164-179.	1.2	9
54	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, 216-223.	1.2	7

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55	The function and dynamics of the apical scaffolding protein E3KARP are regulated by cell-cycle phosphorylation. Molecular Biology of the Cell, 2015, 26, 3615-3627.	0.9	6
56	Preparation of immobilized monomeric actin and its use in the isolation of protease-free and ribonuclease-free pancreatic deoxyribonuclease I. FEBS Journal, 1989, 179, 215-219.	0.2	4
57	Yeast Rgd3 is a phospho-regulated F-BARâ€“containing RhoGAP involved in the regulation of Rho3 distribution and cell morphology. Molecular Biology of the Cell, 2020, 31, 2570-2582.	0.9	4
58	Microtubule Tips Redirect Actin Assembly. Developmental Cell, 2005, 8, 458-459.	3.1	3
59	Deconstructing formin-dependent actin cable assembly. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18744-18745.	3.3	3
60	Epithelial Polarity: Dual Lkb1 Pathways Regulate Apical Microvilli. Developmental Cell, 2009, 16, 491-492.	3.1	2
61	Magazine or journalâ€"what is the difference? The role of the monitoring editor. Molecular Biology of the Cell, 2013, 24, 887-889.	0.9	1
62	The RabGAPs EPI64A and EPI64B regulate the apical structure of epithelial cellsâ€. Molecular Biology of the Cell, 2022, 33, ar8.	0.9	0