

Anthony P Bretscher

List of Publications by Year in descending order

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62
papers

9,348
citations

87401

40
h-index

139680

61
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68
all docs

68
docs citations

68
times ranked

8620
citing authors

#	ARTICLE	IF	CITATIONS
1	The RabGAPs EPI64A and EPI64B regulate the apical structure of epithelial cells. <i>Molecular Biology of the Cell</i> , 2022, 33, ar8.	0.9	0
2	Effector-mediated ERM activation locally inhibits RhoA activity to shape the apical cell domain. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	23
3	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> , 2020, 31, 2570-2582.	0.9	4
4	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> , 2018, 29, 923-936.	0.9	19
5	Regulation of actin-based apical structures on epithelial cells. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	77
6	Ezrin activation by LOK phosphorylation involves a PIP2-dependent wedge mechanism. <i>ELife</i> , 2017, 6, .	2.8	48
7	Kinesin-related Smy1 enhances the Rab-dependent association of myosin-V with secretory cargo. <i>Molecular Biology of the Cell</i> , 2016, 27, 2450-2462.	0.9	13
8	The function and dynamics of the apical scaffolding protein E3KARP are regulated by cell-cycle phosphorylation. <i>Molecular Biology of the Cell</i> , 2015, 26, 3615-3627.	0.9	6
9	Structure, Regulation, and Functional Diversity of Microvilli on the Apical Domain of Epithelial Cells. <i>Annual Review of Cell and Developmental Biology</i> , 2015, 31, 593-621.	4.0	136
10	Tracking individual secretory vesicles during exocytosis reveals an ordered and regulated process. <i>Journal of Cell Biology</i> , 2015, 210, 181-189.	2.3	75
11	Head-to-tail regulation is critical for the in vivo function of myosin V. <i>Journal of Cell Biology</i> , 2015, 209, 359-365.	2.3	29
12	Dynamics of ezrin and EBP50 in regulating microvilli on the apical aspect of epithelial cells. <i>Biochemical Society Transactions</i> , 2014, 42, 189-194.	1.6	45
13	The surprising dynamics of scaffolding proteins. <i>Molecular Biology of the Cell</i> , 2014, 25, 2315-2319.	0.9	63
14	Rapid Glucose Depletion Immobilizes Active Myosin V on Stabilized Actin Cables. <i>Current Biology</i> , 2014, 24, 2471-2479.	1.8	19
15	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> , 2014, 25, 2817-2827.	0.9	29
16	Interactome Analysis Reveals Ezrin Can Adopt Multiple Conformational States. <i>Journal of Biological Chemistry</i> , 2013, 288, 35437-35451.	1.6	40
17	Magazine or journal—what is the difference? The role of the monitoring editor. <i>Molecular Biology of the Cell</i> , 2013, 24, 887-889.	0.9	1
18	Deconstructing formin-dependent actin cable assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18744-18745.	3.3	3

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19	PDZ interactions regulate rapid turnover of the scaffolding protein EBP50 in microvilli. <i>Journal of Cell Biology</i> , 2012, 198, 195-203.	2.3	47
20	Local phosphocycling mediated by LOK/SLK restricts ezrin function to the apical aspect of epithelial cells. <i>Journal of Cell Biology</i> , 2012, 199, 969-984.	2.3	96
21	Myosin-V Is Activated by Binding Secretory Cargo and Released in Coordination with Rab/Exocyst Function. <i>Developmental Cell</i> , 2012, 23, 769-781.	3.1	63
22	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> , 2012, 22, 703-705.	3.1	56
23	PI4P and Rab Inputs Collaborate in Myosin-V-Dependent Transport of Secretory Compartments in Yeast. <i>Developmental Cell</i> , 2011, 20, 47-59.	3.1	95
24	Organizing the cell cortex: the role of ERM proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2010, 11, 276-287.	16.1	884
25	The scaffolding protein EBP50 regulates microvillar assembly in a phosphorylation-dependent manner. <i>Journal of Cell Biology</i> , 2010, 191, 397-413.	2.3	63
26	A Regulated Complex of the Scaffolding Proteins PDZK1 and EBP50 with Ezrin Contribute to Microvillar Organization. <i>Molecular Biology of the Cell</i> , 2010, 21, 1519-1529.	0.9	57
27	Epithelial Polarity: Dual Lkb1 Pathways Regulate Apical Microvilli. <i>Developmental Cell</i> , 2009, 16, 491-492.	3.1	2
28	Self-masking in an Intact ERM-merlin Protein: An Active Role for the Central α -Helical Domain. <i>Journal of Molecular Biology</i> , 2007, 365, 1446-1459.	2.0	111
29	EPI64 regulates microvillar subdomains and structure. <i>Journal of Cell Biology</i> , 2006, 175, 803-813.	2.3	73
30	Ezrin Mutants Affecting Dimerization and Activation. <i>Biochemistry</i> , 2005, 44, 3926-3932.	1.2	41
31	Microtubule Tips Redirect Actin Assembly. <i>Developmental Cell</i> , 2005, 8, 458-459.	3.1	3
32	The EBP50-moesin interaction involves a binding site regulated by direct masking on the FERM domain. <i>Journal of Cell Science</i> , 2004, 117, 1547-1552.	1.2	68
33	Stable and Dynamic Axes of Polarity Use Distinct Formin Isoforms in Budding Yeast. <i>Molecular Biology of the Cell</i> , 2004, 15, 4971-4989.	0.9	142
34	MECHANISMS OF POLARIZED GROWTH AND ORGANELLE SEGREGATION IN YEAST. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 559-591.	4.0	344
35	Polarized growth and organelle segregation in yeast. <i>Journal of Cell Biology</i> , 2003, 160, 811-816.	2.3	133
36	Secretory vesicle transport velocity in living cells depends on the myosin-V lever arm length. <i>Journal of Cell Biology</i> , 2002, 156, 35-40.	2.3	198

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37	Microfilaments and microtubules: the news from yeast. <i>Current Opinion in Microbiology</i> , 2002, 5, 564-574.	2.3	51
38	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> , 2002, 81, 61-68.	1.6	70
39	Formins direct Arp2/3-independent actin filament assembly to polarize cell growth in yeast. <i>Nature Cell Biology</i> , 2002, 4, 32-41.	4.6	405
40	ERM proteins and merlin: integrators at the cell cortex. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 586-599.	16.1	1,468
41	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> , 2001, 276, 7621-7629.	1.6	92
42	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> , 2001, 153, 191-206.	2.3	72
43	Ras Regulates the Polarity of the Yeast Actin Cytoskeleton through the Stress Response Pathway. <i>Molecular Biology of the Cell</i> , 2001, 12, 1541-1555.	0.9	67
44	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> , 2000, 11, 1509-1521.	0.9	147
45	Structure of the ERM Protein Moesin Reveals the FERM Domain Fold Masked by an Extended Actin Binding Tail Domain. <i>Cell</i> , 2000, 101, 259-270.	13.5	555
46	ERM-Merlin and EBP50 Protein Families in Plasma Membrane Organization and Function. <i>Annual Review of Cell and Developmental Biology</i> , 2000, 16, 113-143.	4.0	354
47	The CooH-Terminal Domain of Myo2p, a Yeast Myosin V, Has a Direct Role in Secretory Vesicle Targeting. <i>Journal of Cell Biology</i> , 1999, 147, 791-808.	2.3	228
48	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> , 1999, 106, 216-223.	1.2	7
49	A kinase-regulated PDZ-domain interaction controls endocytic sorting of the β 2-adrenergic receptor. <i>Nature</i> , 1999, 401, 286-290.	13.7	637
50	Moesin, the major ERM protein of lymphocytes and platelets, differs from ezrin in its insensitivity to calpain. <i>FEBS Letters</i> , 1999, 443, 31-36.	1.3	100
51	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> , 1998, 253, 561-565.	1.0	129
52	Tropomyosin-containing Actin Cables Direct the Myo2p-dependent Polarized Delivery of Secretory Vesicles in Budding Yeast. <i>Journal of Cell Biology</i> , 1998, 143, 1931-1945.	2.3	310
53	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> , 1998, 273, 18452-18458.	1.6	182
54	Identification of EBP50: A PDZ-containing Phosphoprotein that Associates with Members of the Ezrin-Radixin-Moesin Family. <i>Journal of Cell Biology</i> , 1997, 139, 169-179.	2.3	562

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55	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> , 1992, 204, 713-723.	0.2	34
56	Yeast actin is relatively well behaved. <i>FEBS Journal</i> , 1992, 206, 949-955.	0.2	29
57	Preparation of immobilized monomeric actin and its use in the isolation of protease-free and ribonuclease-free pancreatic deoxyribonuclease I. <i>FEBS Journal</i> , 1989, 179, 215-219.	0.2	4
58	ATPase activity of the microvillar 110 kDa polypeptide-calmodulin complex is activated in Mg ²⁺ and inhibited in K ⁺ -EDTA by F-actin. <i>FEBS Letters</i> , 1987, 225, 269-272.	1.3	23
59	Caldesmon: Thin filament regulatory proteins of smooth- and non-muscle cells. <i>Nature</i> , 1986, 321, 726-727.	13.7	60
60	Molecular Architecture of the Microvillus Cytoskeleton. <i>Novartis Foundation Symposium</i> , 1983, 95, 164-179.	1.2	9
61	Immunohistochemical localization of several cytoskeletal proteins in inner ear sensory and supporting cells. <i>Hearing Research</i> , 1982, 7, 75-89.	0.9	184
62	Villin is a major protein of the microvillus cytoskeleton which binds both G and F actin in a calcium-dependent manner. <i>Cell</i> , 1980, 20, 839-847.	13.5	461