Steve Caplan

List of Publications by Citations

86 papers	4,511 citations	35 h-index	66 g-index
93 ext. papers	5,173 ext. citations	5.3 avg, IF	5.63 L-index

#	Paper	IF	Citations
86	Maintenance of Golgi structure and function depends on the integrity of ER export. *Journal of Cell Biology*, **2001**, 155, 557-70	7.3	353
85	Lysosome-related organelles. *FASEB Journal*, **2000**, 14, 1265-1278	0.9	326
84	A tubular EHD1-containing compartment involved in the recycling of major histocompatibility complex class I molecules to the plasma membrane. *EMBO Journal*, **2002**, 21, 2557-67	13	241
83	The early endosome: a busy sorting station for proteins at the crossroads. *Histology and Histopathology*, **2010**, 25, 99-112	1.4	240
82	EHD proteins: key conductors of endocytic transport. *Trends in Cell Biology*, **2011**, 21, 122-31	18.3	163
81	AMPH-1/Amphiphysin/Bin1 functions with RME-1/Ehd1 in endocytic recycling. *Nature Cell Biology*, **2009**, 11, 1399-410	23.4	153
80	Interactions between EHD proteins and Rab11-FIP2: a role for EHD3 in early endosomal transport. *Molecular Biology of the Cell*, **2006**, 17, 163-77	3.5	142
79	Early steps in primary cilium assembly require EHD1/EHD3-dependent ciliary vesicle formation. *Nature Cell Biology*, **2015**, 17, 228-240	23.4	141
78	The enigmatic endosome - sorting the ins and outs of endocytic trafficking. *Journal of Cell Science*, **2018**, 131,	5.3	135
77	Myosin Vb interacts with Rab8a on a tubular network containing EHD1 and EHD3. *Molecular Biology of the Cell*, **2007**, 18, 2828-37	3.5	132
76	MICAL-L1 links EHD1 to tubular recycling endosomes and regulates receptor recycling. *Molecular Biology of the Cell*, **2009**, 20, 5181-94	3.5	129
75	Human Vam6p promotes lysosome clustering and fusion in vivo. *Journal of Cell Biology*, **2001**, 154, 109-22	7.3	124
74	Mechanisms of EHD/RME-1 protein function in endocytic transport. *Traffic*, **2008**, 9, 2043-52	5.7	114
73	Rabenosyn-5 and EHD1 interact and sequentially regulate protein recycling to the plasma membrane. *Molecular Biology of the Cell*, **2004**, 15, 2410-22	3.5	110
72	EHD1 regulates beta1 integrin endosomal transport: effects on focal adhesions, cell spreading and migration. *Journal of Cell Science*, **2007**, 120, 802-14	5.3	104
71	A role for EHD4 in the regulation of early endosomal transport. *Traffic*, **2008**, 9, 995-1018	5.7	84
70	C-terminal EH-domain-containing proteins: consensus for a role in endocytic trafficking, EH?. *Journal of Cell Science*, **2005**, 118, 4093-101	5.3	84

69	MICAL-L1 is a tubular endosomal membrane hub that connects Rab35 and Arf6 with Rab8a. *Traffic*, **2012**, 13, 82-93	5.7	75
68	Cooperation of MICAL-L1, syndapin2, and phosphatidic acid in tubular recycling endosome biogenesis. *Molecular Biology of the Cell*, **2013**, 24, 1776-90, S1-15	3.5	70
67	EHD3 regulates early-endosome-to-Golgi transport and preserves Golgi morphology. *Journal of Cell Science*, **2009**, 122, 389-400	5.3	68
66	Eps15 homology domain 1-associated tubules contain phosphatidylinositol-4-phosphate and phosphatidylinositol-(4,5)-bisphosphate and are required for efficient recycling. *Molecular Biology of the Cell*, **2009**, 20, 2731-43	3.5	68
65	MICAL-family proteins: Complex regulators of the actin cytoskeleton. *Antioxidants and Redox Signaling*, **2014**, 20, 2059-73	8.4	65
64	Differential regulation of actin microfilaments by human MICAL proteins. *Journal of Cell Science*, **2012**, 125, 614-24	5.3	65
63	Recycling to the plasma membrane is delayed in EHD1 knockout mice. *Traffic*, **2006**, 7, 52-60	5.7	64
62	T cell independent mechanism for copolymer-1-induced neuroprotection. *European Journal of Immunology*, **2007**, 37, 3143-54	6.1	57
61	Retromer guides STxB and CD8-M6PR from early to recycling endosomes, EHD1 guides STxB from recycling endosome to Golgi. *Traffic*, **2012**, 13, 1140-59	5.7	52
60	EHD1 and Eps15 interact with phosphatidylinositols via their Eps15 homology domains. *Journal of Biological Chemistry*, **2007**, 282, 16612-22	5.4	51
59	Collapsin response mediator protein-2 (Crmp2) regulates trafficking by linking endocytic regulatory proteins to dynein motors. *Journal of Biological Chemistry*, **2010**, 285, 31918-22	5.4	49
58	Normal T cells express two T cell antigen receptor populations, one of which is linked to the cytoskeleton via zeta chain and displays a unique activation-dependent phosphorylation pattern. *Journal of Biological Chemistry*, **1996**, 271, 20705-12	5.4	45
57	The endocytic recycling compartment maintains cargo segregation acquired upon exit from the sorting endosome. *Molecular Biology of the Cell*, **2016**, 27, 108-26	3.5	44
56	Differential roles of C-terminal Eps15 homology domain proteins as vesiculators and tubulators of recycling endosomes. *Journal of Biological Chemistry*, **2013**, 288, 30172-30180	5.4	42
55	Tying trafficking to fusion and fission at the mighty mitochondria. *Traffic*, **2018**, 19, 569-577	5.7	41
54	Rabankyrin-5 interacts with EHD1 and Vps26 to regulate endocytic trafficking and retromer function. *Traffic*, **2012**, 13, 745-57	5.7	40
53	Common and distinct roles for the binding partners Rabenosyn-5 and Vps45 in the regulation of endocytic trafficking in mammalian cells. *Experimental Cell Research*, **2010**, 316, 859-74	4.2	36
52	Endocytosis and the Src family of non-receptor tyrosine kinases. *Biomolecular Concepts*, **2014**, 5, 143-55	3.7	35

51	Trafficking of major histocompatibility complex class II molecules in human B-lymphoblasts deficient in the AP-3 adaptor complex. *Immunology Letters*, **2000**, 72, 113-7	4.1	35
50	Mechanism for the selective interaction of C-terminal Eps15 homology domain proteins with specific Asn-Pro-Phe-containing partners. *Journal of Biological Chemistry*, **2010**, 285, 8687-94	5.4	33
49	cPLA2 and EHD1 interact and regulate the vesiculation of cholesterol-rich, GPI-anchored, protein-containing endosomes. *Molecular Biology of the Cell*, **2012**, 23, 1874-88	3.5	33
48	EHD1 regulates cholesterol homeostasis and lipid droplet storage. *Biochemical and Biophysical Research Communications*, **2007**, 357, 792-9	3.4	33
47	Prostate tumor cell exosomes containing hyaluronidase Hyal1 stimulate prostate stromal cell motility by engagement of FAK-mediated integrin signaling. *Matrix Biology*, **2019**, 78-79, 165-179	11.4	31
46	EH domain of EHD1. *Journal of Biomolecular NMR*, **2007**, 39, 323-9	3	31
45	Amyloid precursor-like protein 2 increases the endocytosis, instability, and turnover of the H2-K(d) MHC class I molecule. *Journal of Immunology*, **2008**, 181, 1978-87	5.3	29
44	GRAF1 forms a complex with MICAL-L1 and EHD1 to cooperate in tubular recycling endosome vesiculation. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 22	5.7	26
43	Control of mitochondrial homeostasis by endocytic regulatory proteins. *Journal of Cell Science*, **2017**, 130, 2359-2370	5.3	25
42	Diacylglycerol kinase regulates tubular recycling endosome biogenesis and major histocompatibility complex class I recycling. *Journal of Biological Chemistry*, **2014**, 289, 31914-31926	5.4	24
41	Diacylglycerol kinases in membrane trafficking. *Cellular Logistics*, **2015**, 5, e1078431		21
40	TC-PTP directly interacts with connexin43 to regulate gap junction intercellular communication. *Journal of Cell Science*, **2014**, 127, 3269-79	5.3	21
39	Structural insight into the interaction of proteins containing NPF, DPF, and GPF motifs with the C-terminal EH-domain of EHD1. *Protein Science*, **2009**, 18, 2471-9	6.3	21
38	Mechanism for amyloid precursor-like protein 2 enhancement of major histocompatibility complex class I molecule degradation. *Journal of Biological Chemistry*, **2009**, 284, 34296-307	5.4	20
37	Rabs and EHDs: alternate modes for traffic control. *Bioscience Reports*, **2012**, 32, 17-23	4.1	20
36	Role of phosphatidylinositol 4,5-bisphosphate in regulating EHD2 plasma membrane localization. *PLoS ONE*, **2013**, 8, e74519	3.7	19
35	Important relationships between Rab and MICAL proteins in endocytic trafficking. *World Journal of Biological Chemistry*, **2010**, 1, 254-64	3.8	19
34	Novel functions for the endocytic regulatory proteins MICAL-L1 and EHD1 in mitosis. *Traffic*, **2015**, 16, 48-67	5.7	18

33	Hyaluronidase Hyal1 Increases Tumor Cell Proliferation and Motility through Accelerated Vesicle Trafficking. *Journal of Biological Chemistry*, **2015**, 290, 13144-56	5.4	17
32	MICAL-L1: An unusual Rab effector that links EHD1 to tubular recycling endosomes. *Communicative and Integrative Biology*, **2010**, 3, 181-3	1.7	17
31	Multisubunit receptors in the immune system and their association with the cytoskeleton: in search of functional significance. *Immunologic Research*, **1995**, 14, 98-118	4.3	17
30	Amyloid precursor-like protein 2 (APLP2) affects the actin cytoskeleton and increases pancreatic cancer growth and metastasis. *Oncotarget*, **2015**, 6, 2064-75	3.3	16
29	EHD3 Protein Is Required for Tubular Recycling Endosome Stabilization, and an Asparagine-Glutamic Acid Residue Pair within Its Eps15 Homology (EH) Domain Dictates Its Selective Binding to NPF Peptides. *Journal of Biological Chemistry*, **2016**, 291, 13465-78	5.4	15
28	Regulation of Src trafficking and activation by the endocytic regulatory proteins MICAL-L1 and EHD1. *Journal of Cell Science*, **2014**, 127, 1684-98	5.3	15
27	Retromer facilitates the localization of Bcl-xL to the mitochondrial outer membrane. *Molecular Biology of the Cell*, **2019**, 30, 1138-1146	3.5	14
26	EHDs meet the retromer: Complex regulation of retrograde transport. *Cellular Logistics*, **2012**, 2, 161-165		13
25	Amyloid precursor-like protein 2 association with HLA class I molecules. *Cancer Immunology, Immunotherapy*, **2009**, 58, 1419-31	7.4	13
24	Trafficking cascades mediated by Rab35 and its membrane hub effector, MICAL-L1. *Communicative and Integrative Biology*, **2012**, 5, 384-7	1.7	12
23	Rapid degradation of the complement regulator, CD59, by a novel inhibitor. *Journal of Biological Chemistry*, **2014**, 289, 12109-12125	5.4	11
22	Specificity of amyloid precursor-like protein 2 interactions with MHC class I molecules. *Immunogenetics*, **2008**, 60, 303-13	3.2	11
21	A model for the role of EHD1-containing membrane tubules in endocytic recycling. *Communicative and Integrative Biology*, **2009**, 2, 431-3	1.7	9
20	Scratching the surface: actinVand other roles for the C-terminal Eps15 homology domain protein, EHD2. *Histology and Histopathology*, **2014**, 29, 285-92	1.4	9
19	Qualitative and quantitative analysis of endocytic recycling. *Methods in Cell Biology*, **2015**, 130, 139-55	1.8	8
18	Sorting nexin 17 (SNX17) links endosomal sorting to Eps15 homology domain protein 1 (EHD1)-mediated fission machinery. *Journal of Biological Chemistry*, **2020**, 295, 3837-3850	5.4	8
17	Regulation of major histocompatibility complex class I molecule expression on cancer cells by amyloid precursor-like protein 2. *Immunologic Research*, **2011**, 51, 39-44	4.3	8
16	Vesicular trafficking plays a role in centriole disengagement and duplication. *Molecular Biology of the Cell*, **2018**, 29, 2622-2631	3.5	8

15	MICAL-L1 coordinates ciliogenesis by recruiting EHD1 to the primary cilium. *Journal of Cell Science*, **2019**, 132,	5.3	7
14	Novel CIL-102 derivatives as potential therapeutic agents for docetaxel-resistant prostate cancer. *Cancer Letters*, **2018**, 436, 96-108	9.9	6
13	Endocytic membrane trafficking in the control of centrosome function. *Current Opinion in Cell Biology*, **2020**, 65, 150-155	9	5
12	Defining the protein and lipid constituents of tubular recycling endosomes. *Journal of Biological Chemistry*, **2021**, 296, 100190	5.4	5
11	Role of the EHD2 unstructured loop in dimerization, protein binding and subcellular localization. *PLoS ONE*, **2015**, 10, e0123710	3.7	4
10	Eps15 Homology Domain Protein 4 (EHD4) is required for Eps15 Homology Domain Protein 1 (EHD1)-mediated endosomal recruitment and fission. *PLoS ONE*, **2020**, 15, e0239657	3.7	4
9	MICAL2PV suppresses the formation of tunneling nanotubes and modulates mitochondrial trafficking. *EMBO Reports*, **2021**, 22, e52006	6.5	4
8	Into the linker\x DENN: A tyrosine\x control of autophagy. *Journal of Biological Chemistry*, **2017**, 292, 7283-7284	5.4	2
7	The cytoskeleton-associated TCR zeta chain is constitutively phosphorylated in the absence of an active p56(lck) form. *European Journal of Immunology*, **2001**, 31, 580-9	6.1	1
6	Chemical shift assignments of the C-terminal Eps15 homology domain-3 EH domain. *Biomolecular NMR Assignments*, **2014**, 8, 263-267	0.7	0
5	Qualitative and Quantitative Assessment of the Role of Endocytic Regulatory and/or Rab Proteins on Mitochondrial Fusion and Fission. *Methods in Molecular Biology*, **2021**, 2293, 213-227	1.4	
4	Eps15 Homology Domain Protein 4 (EHD4) is required for Eps15 Homology Domain Protein 1 (EHD1)-mediated endosomal recruitment and fission **2020**, 15, e0239657		
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