

Juan S Bonifacino

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235
papers

36,091
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94
h-index

189
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251
ext. papers

40,841
ext. citations

12.1
avg, IF

7.51
L-index

#	Paper	IF	Citations
235	Imaging intracellular fluorescent proteins at nanometer resolution. <i>Science</i> , 2006 , 313, 1642-5	33.3	5929
234	Signals for sorting of transmembrane proteins to endosomes and lysosomes. <i>Annual Review of Biochemistry</i> , 2003 , 72, 395-447	29.1	1649
233	Rapid redistribution of Golgi proteins into the ER in cells treated with brefeldin A: evidence for membrane cycling from Golgi to ER. <i>Cell</i> , 1989 , 56, 801-13	56.2	1537
232	The mechanisms of vesicle budding and fusion. <i>Cell</i> , 2004 , 116, 153-66	56.2	1372
231	Altered trafficking of lysosomal proteins in Hermansky-Pudlak syndrome due to mutations in the beta 3A subunit of the AP-3 adaptor. <i>Molecular Cell</i> , 1999 , 3, 11-21	17.6	579
230	Sorting of lysosomal proteins. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 605-14.9	14.9	550
229	Ubiquitin and the control of protein fate in the secretory and endocytic pathways. <i>Annual Review of Cell and Developmental Biology</i> , 1998 , 14, 19-57	12.6	548
228	Retrograde transport from endosomes to the trans-Golgi network. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 568-79	48.7	493
227	Role of the mammalian retromer in sorting of the cation-independent mannose 6-phosphate receptor. <i>Journal of Cell Biology</i> , 2004 , 165, 123-33	7.3	474
226	Degradation from the endoplasmic reticulum: disposing of newly synthesized proteins. <i>Cell</i> , 1988 , 54, 209-20	56.2	453
225	A novel clathrin adaptor complex mediates basolateral targeting in polarized epithelial cells. <i>Cell</i> , 1999 , 99, 189-98	56.2	444
224	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
223	Adaptor-related proteins. <i>Current Opinion in Cell Biology</i> , 2001 , 13, 444-53	9	437
222	The contribution of VHL substrate binding and HIF1-alpha to the phenotype of VHL loss in renal cell carcinoma. <i>Cancer Cell</i> , 2002 , 1, 247-55	24.3	388
221	Molecular bases for the recognition of tyrosine-based sorting signals. <i>Journal of Cell Biology</i> , 1999 , 145, 923-6	7.3	377
220	Adaptins: the final recount. <i>Molecular Biology of the Cell</i> , 2001 , 12, 2907-20	3.5	375
219	Retromer. <i>Current Opinion in Cell Biology</i> , 2008 , 20, 427-36	9	369

218	Linking cargo to vesicle formation: receptor tail interactions with coat proteins. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 488-95	9	360
217	Sorting of mannose 6-phosphate receptors mediated by the GGAs. <i>Science</i> , 2001 , 292, 1712-6	33.3	338
216	GGAs: a family of ADP ribosylation factor-binding proteins related to adaptors and associated with the Golgi complex. <i>Journal of Cell Biology</i> , 2000 , 149, 81-94	7.3	337
215	Association of the AP-3 adaptor complex with clathrin. <i>Science</i> , 1998 , 280, 431-4	33.3	331
214	Regulation of retromer recruitment to endosomes by sequential action of Rab5 and Rab7. <i>Journal of Cell Biology</i> , 2008 , 183, 513-26	7.3	328
213	Lysosome-related organelles. <i>FASEB Journal</i> , 2000 , 14, 1265-1278	0.9	326
212	AP-3: an adaptor-like protein complex with ubiquitous expression. <i>EMBO Journal</i> , 1997 , 16, 917-28	13	323
211	Failure to synthesize the T cell CD3-zeta chain: structure and function of a partial T cell receptor complex. <i>Cell</i> , 1988 , 52, 85-95	56.2	322
210	The T cell antigen receptor: insights into organelle biology. <i>Annual Review of Cell Biology</i> , 1990 , 6, 403-31		316
209	The GGA proteins: adaptors on the move. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 23-32	48.7	313
208	Lysosomes as dynamic regulators of cell and organismal homeostasis. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 101-118	48.7	310
207	Coat proteins: shaping membrane transport. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 409-14	48.7	308
206	Tyrosine phosphorylation controls internalization of CTLA-4 by regulating its interaction with clathrin-associated adaptor complex AP-2. <i>Immunity</i> , 1997 , 6, 583-9	32.3	295
205	Brefeldin A implicates egress from endoplasmic reticulum in class I restricted antigen presentation. <i>Nature</i> , 1989 , 339, 223-6	50.4	289
204	Protein targeting by tyrosine- and di-leucine-based signals: evidence for distinct saturable components. <i>Journal of Cell Biology</i> , 1996 , 135, 341-54	7.3	282
203	Genomic screen for vacuolar protein sorting genes in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2002 , 13, 2486-501	3.5	271
202	Colocalized transmembrane determinants for ER degradation and subunit assembly explain the intracellular fate of TCR chains. <i>Cell</i> , 1990 , 63, 503-13	56.2	249
201	A tubular EHD1-containing compartment involved in the recycling of major histocompatibility complex class I molecules to the plasma membrane. <i>EMBO Journal</i> , 2002 , 21, 2557-67	13	241

200	Membrane protein association by potential intramembrane charge pairs. <i>Nature</i> , 1991 , 351, 414-6	50.4	241
199	Structural determinants of interaction of tyrosine-based sorting signals with the adaptor medium chains. <i>Journal of Biological Chemistry</i> , 1996 , 271, 29009-15	5.4	235
198	The GGAs promote ARF-dependent recruitment of clathrin to the TGN. <i>Cell</i> , 2001 , 105, 93-102	56.2	227
197	AP-4, a novel protein complex related to clathrin adaptors. <i>Journal of Biological Chemistry</i> , 1999 , 274, 7278-85	5.4	220
196	Functional architecture of the retromer cargo-recognition complex. <i>Nature</i> , 2007 , 449, 1063-7	50.4	215
195	Mu1B, a novel adaptor medium chain expressed in polarized epithelial cells. <i>FEBS Letters</i> , 1999 , 449, 215-20	3.8	211
194	Mechanisms and functions of lysosome positioning. <i>Journal of Cell Science</i> , 2016 , 129, 4329-4339	5.3	209
193	Novel aspects of degradation of T cell receptor subunits from the endoplasmic reticulum (ER) in T cells: importance of oligosaccharide processing, ubiquitination, and proteasome-dependent removal from ER membranes. <i>Journal of Experimental Medicine</i> , 1998 , 187, 835-46	16.6	206
192	The medium subunits of adaptor complexes recognize distinct but overlapping sets of tyrosine-based sorting signals. <i>Journal of Biological Chemistry</i> , 1998 , 273, 25915-21	5.4	202
191	BORC, a multisubunit complex that regulates lysosome positioning. <i>Developmental Cell</i> , 2015 , 33, 176-88	0.2	201
190	Interactions of GGA3 with the ubiquitin sorting machinery. <i>Nature Cell Biology</i> , 2004 , 6, 244-51	23.4	196
189	Functions of adaptor protein (AP)-3 and AP-1 in tyrosinase sorting from endosomes to melanosomes. <i>Molecular Biology of the Cell</i> , 2005 , 16, 5356-72	3.5	191
188	Sorting of the Alzheimer's disease amyloid precursor protein mediated by the AP-4 complex. <i>Developmental Cell</i> , 2010 , 18, 425-36	10.2	190
187	Recognition of dileucine-based sorting signals from HIV-1 Nef and LIMP-II by the AP-1 gamma-sigma1 and AP-3 delta-sigma3 hemicomplexes. <i>Journal of Cell Biology</i> , 2003 , 163, 1281-90	7.3	190
186	Cargo recognition in clathrin-mediated endocytosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013 , 5, a016790	10.2	187
185	Germline mutations in PRKCSH are associated with autosomal dominant polycystic liver disease. <i>Nature Genetics</i> , 2003 , 33, 345-7	36.3	183
184	Coatomeer-dependent protein delivery to lipid droplets. <i>Journal of Cell Science</i> , 2009 , 122, 1834-41	5.3	182
183	ADP-Ribosylation factor 1 (ARF1) regulates recruitment of the AP-3 adaptor complex to membranes. <i>Journal of Cell Biology</i> , 1998 , 142, 391-402	7.3	182

182	Restricted Location of PSEN2/Secretase Determines Substrate Specificity and Generates an Intracellular A β Pool. <i>Cell</i> , 2016 , 166, 193-208	56.2	181
181	A lysosomal targeting signal in the cytoplasmic tail of the beta chain directs HLA-DM to MHC class II compartments. <i>Journal of Cell Biology</i> , 1995 , 131, 351-69	7.3	177
180	Structural basis for ubiquitin recognition and autoubiquitination by Rabex-5. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 264-71	17.6	175
179	The molecular machinery for lysosome biogenesis. <i>BioEssays</i> , 2001 , 23, 333-43	4.1	174
178	Adaptor proteins involved in polarized sorting. <i>Journal of Cell Biology</i> , 2014 , 204, 7-17	7.3	173
177	Interchangeable but essential functions of SNX1 and SNX2 in the association of retromer with endosomes and the trafficking of mannose 6-phosphate receptors. <i>Molecular and Cellular Biology</i> , 2007 , 27, 1112-24	4.8	173
176	Role of the endocytic machinery in the sorting of lysosome-associated membrane proteins. <i>Molecular Biology of the Cell</i> , 2005 , 16, 4231-42	3.5	173
175	Enthoprotin: a novel clathrin-associated protein identified through subcellular proteomics. <i>Journal of Cell Biology</i> , 2002 , 158, 855-62	7.3	173
174	Downregulation of CD4 by human immunodeficiency virus type 1 Nef is dependent on clathrin and involves direct interaction of Nef with the AP2 clathrin adaptor. <i>Journal of Virology</i> , 2007 , 81, 3877-90	6.6	160
173	The cytoplasmic domain mediates localization of furin to the trans-Golgi network en route to the endosomal/lysosomal system. <i>Journal of Cell Biology</i> , 1994 , 126, 1157-72	7.3	160
172	Mechanism of acidification of the trans-Golgi network (TGN). In situ measurements of pH using retrieval of TGN38 and furin from the cell surface. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2044-51	5.4	159
171	A membrane-proximal tyrosine-based signal mediates internalization of the HIV-1 envelope glycoprotein via interaction with the AP-2 clathrin adaptor. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15773-8	5.4	158
170	Structural basis for acidic-cluster-dileucine sorting-signal recognition by VHS domains. <i>Nature</i> , 2002 , 415, 933-7	50.4	155
169	Interaction of endocytic signals from the HIV-1 envelope glycoprotein complex with members of the adaptor medium chain family. <i>Virology</i> , 1997 , 238, 305-15	3.6	154
168	Failure of trafficking and antigen presentation by CD1 in AP-3-deficient cells. <i>Immunity</i> , 2002 , 16, 697-706	52.3	150
167	The retromer complex and clathrin define an early endosomal retrograde exit site. <i>Journal of Cell Science</i> , 2007 , 120, 2022-31	5.3	137
166	The retromer subunit Vps26 has an arrestin fold and binds Vps35 through its C-terminal domain. <i>Nature Structural and Molecular Biology</i> , 2006 , 13, 540-8	17.6	137
165	PI4P promotes the recruitment of the GGA adaptor proteins to the trans-Golgi network and regulates their recognition of the ubiquitin sorting signal. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2646-53	3.5	130

164	Stonin 2: an adaptor-like protein that interacts with components of the endocytic machinery. <i>Journal of Cell Biology</i> , 2001 , 153, 1111-20	7.3	128
163	Requirement of the human GARP complex for mannose 6-phosphate-receptor-dependent sorting of cathepsin D to lysosomes. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2350-62	3.5	124
162	Human Vam6p promotes lysosome clustering and fusion in vivo. <i>Journal of Cell Biology</i> , 2001 , 154, 109-223	7.3	124
161	Divalent interaction of the GGAs with the Rabaptin-5-Rabex-5 complex. <i>EMBO Journal</i> , 2003 , 22, 78-88	13	123
160	The clathrin adaptor AP-1A mediates basolateral polarity. <i>Developmental Cell</i> , 2012 , 22, 811-23	10.2	122
159	Genetic analyses of adaptin function from yeast to mammals. <i>Gene</i> , 2002 , 286, 175-86	3.8	122
158	Multilayered mechanism of CD4 downregulation by HIV-1 Vpu involving distinct ER retention and ERAD targeting steps. <i>PLoS Pathogens</i> , 2010 , 6, e1000869	7.6	120
157	Altered expression of a novel adaptin leads to defective pigment granule biogenesis in the <i>Drosophila</i> eye color mutant garnet. <i>EMBO Journal</i> , 1997 , 16, 4508-18	13	120
156	Structural Mechanism for Cargo Recognition by the Retromer Complex. <i>Cell</i> , 2016 , 167, 1623-1635.e14	56.2	118
155	BORC Functions Upstream of Kinesins 1 and 3 to Coordinate Regional Movement of Lysosomes along Different Microtubule Tracks. <i>Cell Reports</i> , 2016 , 17, 1950-1961	10.6	118
154	Moving and positioning the endolysosomal system. <i>Current Opinion in Cell Biology</i> , 2017 , 47, 1-8	9	117
153	Structural basis for recruitment and activation of the AP-1 clathrin adaptor complex by Arf1. <i>Cell</i> , 2013 , 152, 755-67	56.2	117
152	Beta3A-adaptin, a subunit of the adaptor-like complex AP-3. <i>Journal of Biological Chemistry</i> , 1997 , 272, 15078-84	5.4	113
151	The transmembrane domain of a carboxyl-terminal anchored protein determines localization to the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1970-5	5.4	112
150	Dual roles of the mammalian GARP complex in tethering and SNARE complex assembly at the trans-golgi network. <i>Molecular and Cellular Biology</i> , 2009 , 29, 5251-63	4.8	111
149	Transport according to GARP: receiving retrograde cargo at the trans-Golgi network. <i>Trends in Cell Biology</i> , 2011 , 21, 159-67	18.3	107
148	Morphology and dynamics of clathrin/GGA1-coated carriers budding from the trans-Golgi network. <i>Molecular Biology of the Cell</i> , 2003 , 14, 1545-57	3.5	107
147	BORC/kinesin-1 ensemble drives polarized transport of lysosomes into the axon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2955-E2964	11.5	106

146	Signal-binding specificity of the mu4 subunit of the adaptor protein complex AP-4. <i>Journal of Biological Chemistry</i> , 2001 , 276, 13145-52	5.4	105
145	Clathrin adaptor AP-2 is essential for early embryonal development. <i>Molecular and Cellular Biology</i> , 2005 , 25, 9318-23	4.8	104
144	A new variant of Hermansky-Pudlak syndrome due to mutations in a gene responsible for vesicle formation. <i>American Journal of Medicine</i> , 2000 , 108, 423-7	2.4	103
143	BLOC-3, a protein complex containing the Hermansky-Pudlak syndrome gene products HPS1 and HPS4. <i>Journal of Biological Chemistry</i> , 2003 , 278, 29376-84	5.4	101
142	Involvement of clathrin and AP-2 in the trafficking of MHC class II molecules to antigen-processing compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7910-5	11.5	98
141	The Rab5 guanine nucleotide exchange factor Rabex-5 binds ubiquitin (Ub) and functions as a Ub ligase through an atypical Ub-interacting motif and a zinc finger domain. <i>Journal of Biological Chemistry</i> , 2006 , 281, 6874-83	5.4	91
140	Mutational analysis of the fusion peptide of the human immunodeficiency virus type 1: identification of critical glycine residues. <i>Virology</i> , 1996 , 218, 94-102	3.6	81
139	Assembly of the biogenesis of lysosome-related organelles complex-3 (BLOC-3) and its interaction with Rab9. <i>Journal of Biological Chemistry</i> , 2010 , 285, 7794-804	5.4	80
138	Functional domain mapping of the clathrin-associated adaptor medium chains mu1 and mu2. <i>Journal of Biological Chemistry</i> , 1997 , 272, 27160-6	5.4	80
137	Mechanisms of CD4 downregulation by the Nef and Vpu proteins of primate immunodeficiency viruses. <i>Current Molecular Medicine</i> , 2007 , 7, 171-84	2.5	80
136	Molecular characterization of the protein encoded by the Hermansky-Pudlak syndrome type 1 gene. <i>Journal of Biological Chemistry</i> , 2000 , 275, 1300-6	5.4	80
135	A diacidic motif in human immunodeficiency virus type 1 Nef is a novel determinant of binding to AP-2. <i>Journal of Virology</i> , 2008 , 82, 1166-74	6.6	79
134	Signal-mediated, AP-1/clathrin-dependent sorting of transmembrane receptors to the somatodendritic domain of hippocampal neurons. <i>Neuron</i> , 2012 , 75, 810-23	13.9	78
133	Adaptor and clathrin exchange at the plasma membrane and trans-Golgi network. <i>Molecular Biology of the Cell</i> , 2003 , 14, 516-28	3.5	78
132	AP-4 mediates export of ATG9A from the -Golgi network to promote autophagosome formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E10697-E10706	11.5	77
131	Polycystic liver disease is a disorder of cotranslational protein processing. <i>Trends in Molecular Medicine</i> , 2005 , 11, 37-42	11.5	76
130	How HIV-1 Nef hijacks the AP-2 clathrin adaptor to downregulate CD4. <i>ELife</i> , 2014 , 3, e01754	8.9	76
129	Conservation and diversification of dileucine signal recognition by adaptor protein (AP) complex variants. <i>Journal of Biological Chemistry</i> , 2011 , 286, 2022-30	5.4	75

128	Localization of endogenous furin in cultured cell lines. <i>Journal of Histochemistry and Cytochemistry</i> , 1997 , 45, 3-12	3.4	72
127	A Ragulator-BORC interaction controls lysosome positioning in response to amino acid availability. <i>Journal of Cell Biology</i> , 2017 , 216, 4183-4197	7.3	71
126	BORC coordinates encounter and fusion of lysosomes with autophagosomes. <i>Autophagy</i> , 2017 , 13, 1648-1663	16.6	71
125	Basolateral sorting of furin in MDCK cells requires a phenylalanine-isoleucine motif together with an acidic amino acid cluster. <i>Molecular and Cellular Biology</i> , 1999 , 19, 3136-44	4.8	71
124	EARP is a multisubunit tethering complex involved in endocytic recycling. <i>Nature Cell Biology</i> , 2015 , 17, 639-50	23.4	70
123	Cappuccino, a mouse model of Hermansky-Pudlak syndrome, encodes a novel protein that is part of the pallidin-muted complex (BLOC-1). <i>Blood</i> , 2003 , 101, 4402-7	2.2	70
122	Specific regulation of the adaptor protein complex AP-3 by the Arf GAP AGAP1. <i>Developmental Cell</i> , 2003 , 5, 513-21	10.2	70
121	Ang2/fat-free is a conserved subunit of the Golgi-associated retrograde protein complex. <i>Molecular Biology of the Cell</i> , 2010 , 21, 3386-95	3.5	69
120	Serine residues in the cytosolic tail of the T-cell antigen receptor alpha-chain mediate ubiquitination and endoplasmic reticulum-associated degradation of the unassembled protein. <i>Journal of Biological Chemistry</i> , 2010 , 285, 23916-24	5.4	69
119	Novel post-translational regulation of TCR expression in CD4+CD8+ thymocytes influenced by CD4. <i>Nature</i> , 1990 , 344, 247-51	50.4	68
118	Sorting of Dendritic and Axonal Vesicles at the Pre-axonal Exclusion Zone. <i>Cell Reports</i> , 2015 , 13, 1221-1232	12.2	66
117	Basolateral sorting of the coxsackie and adenovirus receptor through interaction of a canonical YXXPhi motif with the clathrin adaptors AP-1A and AP-1B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3820-5	11.5	63
116	Aggregation as a determinant of protein fate in post-Golgi compartments: role of the luminal domain of furin in lysosomal targeting. <i>Journal of Cell Biology</i> , 1997 , 139, 1735-45	7.3	63
115	Ubiquitin binding and conjugation regulate the recruitment of Rabex-5 to early endosomes. <i>EMBO Journal</i> , 2008 , 27, 2484-94	13	62
114	Pallidin is a component of a multi-protein complex involved in the biogenesis of lysosome-related organelles. <i>Traffic</i> , 2002 , 3, 666-77	5.7	62
113	The Vps27/Hse1 complex is a GAT domain-based scaffold for ubiquitin-dependent sorting. <i>Developmental Cell</i> , 2007 , 12, 973-86	10.2	60
112	Structural basis for the wobbler mouse neurodegenerative disorder caused by mutation in the Vps54 subunit of the GARP complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12860-5	11.5	58
111	Canonical interaction of cyclin G associated kinase with adaptor protein 1 regulates lysosomal enzyme sorting. <i>Molecular Biology of the Cell</i> , 2007 , 18, 2991-3001	3.5	58

110	CD1a and MHC class I follow a similar endocytic recycling pathway. <i>Traffic</i> , 2008 , 9, 1446-57	5.7	57
109	Ultrastructure of long-range transport carriers moving from the trans Golgi network to peripheral endosomes. <i>Traffic</i> , 2006 , 7, 1092-103	5.7	57
108	The Hermansky-Pudlak syndrome 1 (HPS1) and HPS2 genes independently contribute to the production and function of platelet dense granules, melanosomes, and lysosomes. <i>Blood</i> , 2002 , 99, 1651-1658	2.2	57
107	Deubiquitinases sharpen substrate discrimination during membrane protein degradation from the ER. <i>Cell</i> , 2013 , 154, 609-22	56.2	56
106	Structural mechanism for ubiquitinated-cargo recognition by the Golgi-localized, gamma-ear-containing, ADP-ribosylation-factor-binding proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 2334-9	11.5	56
105	Rab5 and its effector FHF contribute to neuronal polarity through dynein-dependent retrieval of somatodendritic proteins from the axon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5318-27	11.5	54
104	Adaptor protein 2-mediated endocytosis of the B-secretase BACE1 is dispensable for amyloid precursor protein processing. <i>Molecular Biology of the Cell</i> , 2012 , 23, 2339-51	3.5	54
103	Structural requirements for function of yeast GGAs in vacuolar protein sorting, alpha-factor maturation, and interactions with clathrin. <i>Molecular and Cellular Biology</i> , 2001 , 21, 7981-94	4.8	54
102	Altered distribution of ATG9A and accumulation of axonal aggregates in neurons from a mouse model of AP-4 deficiency syndrome. <i>PLoS Genetics</i> , 2018 , 14, e1007363	6	53
101	Human immunodeficiency virus type 1 Nef protein targets CD4 to the multivesicular body pathway. <i>Journal of Virology</i> , 2009 , 83, 6578-90	6.6	53
100	Definition of the consensus motif recognized by gamma-adaptin ear domains. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8018-28	5.4	53
99	The adaptor protein-1 β subunit expands the repertoire of basolateral sorting signal recognition in epithelial cells. <i>Developmental Cell</i> , 2013 , 27, 353-66	10.2	52
98	Molecular characterization of hepatocystin, the protein that is defective in autosomal dominant polycystic liver disease. <i>Gastroenterology</i> , 2004 , 126, 1819-27	13.3	52
97	Insights into the biogenesis of lysosome-related organelles from the study of the Hermansky-Pudlak syndrome. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1038, 103-14	6.5	51
96	Differential recognition of a dileucine-based sorting signal by AP-1 and AP-3 reveals a requirement for both BLOC-1 and AP-3 in delivery of OCA2 to melanosomes. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3178-92	3.5	50
95	Crystallographic and functional analysis of the ESCRT-I /HIV-1 Gag PTAP interaction. <i>Structure</i> , 2010 , 18, 1536-47	5.2	50
94	GGA and Arf proteins modulate retrovirus assembly and release. <i>Molecular Cell</i> , 2008 , 30, 227-38	17.6	50
93	Recognition of accessory protein motifs by the gamma-adaptin ear domain of GGA3. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 599-606	17.6	48

92	Segregation in the Golgi complex precedes export of endolysosomal proteins in distinct transport carriers. <i>Journal of Cell Biology</i> , 2017 , 216, 4141-4151	7.3	45
91	Structure of Human ATG9A, the Only Transmembrane Protein of the Core Autophagy Machinery. <i>Cell Reports</i> , 2020 , 31, 107837	10.6	45
90	A basic patch on alpha-adaptin is required for binding of human immunodeficiency virus type 1 Nef and cooperative assembly of a CD4-Nef-AP-2 complex. <i>Journal of Virology</i> , 2009 , 83, 2518-30	6.6	45
89	Transmembrane domain determinants of CD4 Downregulation by HIV-1 Vpu. <i>Journal of Virology</i> , 2012 , 86, 757-72	6.6	45
88	The trans-Golgi network accessory protein p56 promotes long-range movement of GGA/clathrin-containing transport carriers and lysosomal enzyme sorting. <i>Molecular Biology of the Cell</i> , 2007 , 18, 3486-501	3.5	43
87	Reduced pigmentation (rp), a mouse model of Hermansky-Pudlak syndrome, encodes a novel component of the BLOC-1 complex. <i>Blood</i> , 2004 , 104, 3181-9	2.2	43
86	A family of PIKFYVE inhibitors with therapeutic potential against autophagy-dependent cancer cells disrupt multiple events in lysosome homeostasis. <i>Autophagy</i> , 2019 , 15, 1694-1718	10.2	43
85	Association between Rare Variants in AP4E1, a Component of Intracellular Trafficking, and Persistent Stuttering. <i>American Journal of Human Genetics</i> , 2015 , 97, 715-25	11	41
84	Anchors aweigh: protein localization and transport mediated by transmembrane domains. <i>Trends in Cell Biology</i> , 2013 , 23, 511-7	18.3	41
83	The clathrin adaptor complexes as a paradigm for membrane-associated allostery. <i>Protein Science</i> , 2013 , 22, 517-29	6.3	41
82	Assembly and architecture of biogenesis of lysosome-related organelles complex-1 (BLOC-1). <i>Journal of Biological Chemistry</i> , 2012 , 287, 5882-90	5.4	41
81	Phosphoregulation of sorting signal-VHS domain interactions by a direct electrostatic mechanism. <i>Nature Structural Biology</i> , 2002 , 9, 532-6		40
80	Transient aggregation of major histocompatibility complex class II chains during assembly in normal spleen cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 10475-81	5.4	40
79	CD4 down-regulation by HIV-1 and simian immunodeficiency virus (SIV) Nef proteins involves both internalization and intracellular retention mechanisms. <i>Journal of Biological Chemistry</i> , 2005 , 280, 7413-26	5.4	39
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