Suzanne R Pfeffer

List of Publications by Year
in descending order

81 papers	8,615 citations	50170 46 h-index	66788 78 g-index
118 all docs	118 docs citations	118 times ranked	8398 citing authors

#	Article	IF	Citations
1	Rab GTPases: specifying and deciphering organelle identity and function. Trends in Cell Biology, 2001, 11, 487-491.	3.6	476
2	Targeting Rab GTPases to distinct membrane compartments. Nature Reviews Molecular Cell Biology, 2004, 5, 886-896.	16.1	413
3	Transport-vesicle targeting: tethers before SNAREs. Nature Cell Biology, 1999, 1, E17-E22.	4.6	386
4	Rab29 activation of the Parkinson's diseaseâ€associated LRRK2 kinase. EMBO Journal, 2018, 37, 1-18.	3.5	386
5	TIP47: A Cargo Selection Device for Mannose 6-Phosphate Receptor Trafficking. Cell, 1998, 93, 433-443.	13.5	355
6	Systematic proteomic analysis of LRRK2-mediated Rab GTPase phosphorylation establishes a connection to ciliogenesis. ELife, 2017, 6, .	2.8	344
7	Rab GTPases: master regulators of membrane trafficking. Current Opinion in Cell Biology, 1994, 6, 522-526.	2.6	327
8	Rab GTPase regulation of membrane identity. Current Opinion in Cell Biology, 2013, 25, 414-419.	2.6	292
9	Rab GTPases: master regulators that establish the secretory and endocytic pathways. Molecular Biology of the Cell, 2017, 28, 712-715.	0.9	285
10	Ebola virus entry requires the host-programmed recognition of an intracellular receptor. EMBO Journal, 2012, 31, 1947-1960.	3.5	284
11	Visualization of Rab9-mediated vesicle transport from endosomes to the trans-Golgi in living cells. Journal of Cell Biology, 2002, 156, 511-518.	2.3	281
12	Yip3 catalyses the dissociation of endosomal Rabâ€"GDI complexes. Nature, 2003, 425, 856-859.	13.7	237
13	Role of Rab9 GTPase in Facilitating Receptor Recruitment by TIP47. Science, 2001, 292, 1373-1376.	6.0	229
14	TRANSPORT VESICLE DOCKING: SNAREs and Associates. Annual Review of Cell and Developmental Biology, 1996, 12, 441-461.	4.0	194
15	Membrane Domains in the Secretory and Endocytic Pathways. Cell, 2003, 112, 507-517.	13.5	192
16	A pathway for Parkinsonâ€™s Disease LRRK2 kinase to block primary cilia and Sonic hedgehog signaling in the brain. ELife, 2018, 7, .	2.8	170
17	Unsolved Mysteries in Membrane Traffic. Annual Review of Biochemistry, 2007, 76, 629-645.	5.0	168
18	NPC intracellular cholesterol transporter 1 (NPC1)-mediated cholesterol export from lysosomes. Journal of Biological Chemistry, 2019, 294, 1706-1709.	1.6	162

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19	Journeys through the Golgiâ€"taking stock in a new era. Journal of Cell Biology, 2009, 187, 449-453.	2.3	156
20	A syntaxin 10â€"SNARE complex distinguishes two distinct transport routes from endosomes to the trans-Golgi in human cells. Journal of Cell Biology, 2008, 180, 159-172.	2.3	155
21	Clues to the mechanism of cholesterol transfer from the structure of NPC1 middle lumenal domain bound to NPC2. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10079-10084.	3.3	153
22	Niemannâ€"Pick type C 1 function requires lumenal domain residues that mediate cholesterol-dependent NPC2 binding. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18932-18936.	3.3	151
23	Rab and Arl GTPase Family Members Cooperate in the Localization of the Golgin GCC185. Cell, 2008, 132, 286-298.	13.5	147
24	Structural Clues to Rab GTPase Functional Diversity. Journal of Biological Chemistry, 2005, 280, 15485-15488.	1.6	145
25	A Novel Rab9 Effector Required for Endosome-to-TGN Transport. Journal of Cell Biology, 1997, 138, 283-290.	2.3	133
26	A Functional Role for the GCC185 Golgin in Mannose 6-Phosphate Receptor Recycling. Molecular Biology of the Cell, 2006, 17, 4353-4363.	0.9	113
27	Cholesterol Accumulation Sequesters Rab9 and Disrupts Late Endosome Function in NPC1-deficient Cells. Journal of Biological Chemistry, 2006, 281, 17890-17899.	1.6	101
28	Clues to Neuro-Degeneration in Niemann-Pick Type C Disease from Global Gene Expression Profiling. PLoS ONE, 2006, 1, e19.	1.1	94
29	PPM1H phosphatase counteracts LRRK2 signaling by selectively dephosphorylating Rab proteins. ELife, 2019, 8, .	2.8	94
30	How the Golgi works: A cisternal progenitor model. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19614-19618.	3.3	90
31	Membrane association but not identity is required for LRRK2 activation and phosphorylation of Rab GTPases. Journal of Cell Biology, 2019, 218, 4157-4170.	2.3	88
32	RhoBTB3: A Rho GTPase-Family ATPase Required for Endosome to Golgi Transport. Cell, 2009, 137, 938-948.	13.5	87
33	Multiple Rab GTPase Binding Sites in GCC185 Suggest a Model for Vesicle Tethering at the<i>Trans</i>-Golgi. Molecular Biology of the Cell, 2009, 20, 209-217.	0.9	86
34	Lysosomal membrane glycoproteins bind cholesterol and contribute to lysosomal cholesterol export. ELife, 2016, 5, .	2.8	82
35	Multiple routes of protein transport from endosomes to the <i>trans</i> Golgi network. FEBS Letters, 2009, 583, 3811-3816.	1.3	73
36	Mapmodulin, Cytoplasmic Dynein, and Microtubules Enhance the Transport of Mannose 6-Phosphate Receptors from Endosomes to the<i>Trans</i>-Golgi Network. Molecular Biology of the Cell, 1999, 10, 2191-2197.	0.9	65

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37	RUTBC1 Protein, a Rab9A Effector That Activates GTP Hydrolysis by Rab32 and Rab33B Proteins. Journal of Biological Chemistry, 2011, 286, 33213-33222.	1.6	59
38	Ric1-Rgp1 Complex Is a Guanine Nucleotide Exchange Factor for the Late Golgi Rab6A GTPase and an Effector of the Medial Golgi Rab33B GTPase. Journal of Biological Chemistry, 2012, 287, 42129-42137.	1.6	59
39	Protein flexibility is required for vesicle tethering at the Golgi. ELife, 2015, 4, .	2.8	59
40	Cellâ€free systems to study vesicular transport along the secretory and endocytic pathways ¹. FASEB Journal, 1989, 3, 2488-2495.	0.2	58
41	A model for Rab GTPase localization. Biochemical Society Transactions, 2005, 33, 627-630.	1.6	57
42	Transport Vesicle Tethering at the Trans Golgi Network: Coiled Coil Proteins in Action. Frontiers in Cell and Developmental Biology, 2016, 4, 18.	1.8	56
43	Quantitative Analysis of TIP47-Receptor Cytoplasmic Domain Interactions. Journal of Biological Chemistry, 2000, 275, 25188-25193.	1.6	55
44	Defining the boundaries: Rab GEFs and GAPs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14185-14186.	3.3	54
45	Entry at the trans-Face of the Golgi. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005272-a005272.	2.3	54
46	Glycosylation inhibition reduces cholesterol accumulation in NPC1 protein-deficient cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14876-14881.	3.3	54
47	Constructing a Golgi complex. Journal of Cell Biology, 2001, 155, 873-876.	2.3	52
48	The Rab6-regulated KIF1C kinesin motor domain contributes to Golgi organization. ELife, 2015, 4, .	2.8	52
49	Pathogenic LRRK2 regulates ciliation probability upstream of tau tubulin kinase 2 via Rab10 and RILPL1 proteins. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	49
50	Pathogenic LRRK2 control of primary cilia and Hedgehog signaling in neurons and astrocytes of mouse brain. ELife, 2021, 10, .	2.8	47
51	LRRK2 and Rab GTPases. Biochemical Society Transactions, 2018, 46, 1707-1712.	1.6	44
52	GCC185 plays independent roles in Golgi structure maintenance and AP-1â€“mediated vesicle tethering. Journal of Cell Biology, 2011, 194, 779-787.	2.3	43
53	Golgi-associated RhoBTB3 targets Cyclin E for ubiquitylation and promotes cell cycle progression. Journal of Cell Biology, 2013, 203, 233-250.	2.3	41
54	Quantitative Analysis of the Interactions between Prenyl Rab9, GDP Dissociation Inhibitor-Î±, and Guanine Nucleotides. Journal of Biological Chemistry, 1995, 270, 11085-11090.	1.6	38

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55	Rab GTPase localization and Rab cascades in Golgi transport. Biochemical Society Transactions, 2012, 40, 1373-1377.	1.6	34
56	Identification of residues in TIP47 essential for Rab9 binding. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7450-7454.	3.3	32
57	An update on transport vesicle tethering. Molecular Membrane Biology, 2010, 27, 457-461.	2.0	31
58	Unconventional secretion by autophagosome exocytosis. Journal of Cell Biology, 2010, 188, 451-452.	2.3	30
59	CRISPR screens for lipid regulators reveal a role for ER-bound SNX13 in lysosomal cholesterol export. Journal of Cell Biology, 2022, 221, .	2.3	30
60	LRRK2-phosphorylated Rab10 sequesters Myosin Va with RILPL2 during ciliogenesis blockade. Life Science Alliance, 2021, 4, e202101050.	1.3	29
61	RUTBC2 Protein, a Rab9A Effector and GTPase-activating Protein for Rab36. Journal of Biological Chemistry, 2012, 287, 22740-22748.	1.6	28
62	A CULLINary ride across the secretory pathway: more than just secretion. Trends in Cell Biology, 2014, 24, 389-399.	3.6	27
63	Clues to NPC1-mediated cholesterol export from lysosomes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7941-7943.	3.3	27
64	Genome-wide interrogation of extracellular vesicle biology using barcoded miRNAs. ELife, 2018, 7, .	2.8	27
65	Inter-domain dynamics drive cholesterol transport by NPC1 and NPC1L1 proteins. ELife, 2020, 9, .	2.8	27
66	Self-Assembly Is Important for TIP47 Function in Mannose 6-Phosphate Receptor Transport. Traffic, 2003, 4, 18-25.	1.3	24
67	Ezetimibe-sensitive cholesterol uptake by NPC1L1 protein does not require endocytosis. Molecular Biology of the Cell, 2016, 27, 1845-1852.	0.9	24
68	A Prize for Membrane Magic. Cell, 2013, 155, 1203-1206.	13.5	21
69	Quantitative Measurement of Cholesterol in Cell Populations Using Flow Cytometry and Fluorescent Perfringolysin O*. Methods in Molecular Biology, 2017, 1583, 85-95.	0.4	11
70	In vitro selection and prediction of TIP47 protein-interaction interfaces. Nature Methods, 2004, 1, 55-60.	9.0	9
71	A nexus for receptor recycling. Nature Cell Biology, 2013, 15, 446-448.	4.6	7
72	Membrane traffic. Current Opinion in Cell Biology, 2010, 22, 419-421.	2.6	5

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73	Hopping rim to rim through the Golgi. ELife, 2013, 2, e00903.	2.8	5
74	Lipoprotein secretion: It takes two to TANGO. Journal of Cell Biology, 2016, 213, 297-299.	2.3	5
75	Cargo carriers from the Golgi to the cell surface. EMBO Journal, 2012, 31, 3954-3955.	3.5	4
76	[3] Expression of Rab9 protein in Escherichia coli: purification and isoprenylation in vitro. Methods in Enzymology, 1995, 257, 15-21.	0.4	3
77	: Characterization of a Challenging Rab GTPase. Methods in Molecular Biology, 2021, 2293, 19-25.	0.4	2
78	Pathogen drop-kick. Nature, 2007, 450, 361-362.	13.7	1
79	Measuring Rab GTPase-Activating Protein (GAP) Activity in Live Cells and Extracts. Methods in Molecular Biology, 2015, 1298, 61-71.	0.4	1
80	Rab9 regulation of the Rab GTPase activating protein, RUTBC1. FASEB Journal, 2009, 23, 683.6.	0.2	0
81	Roles for Rab6, Arl1 and a novel Rho protein in GCC185â€mediated vesicle tethering at the trans Golgi network. FASEB Journal, 2009, 23, 205.2.	0.2	0