Anjon Audhya

List of Publications by Year
in descending order

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82 papers	5,662 citations	70961 41 h-index	85405 71 g-index
87 all docs	87 docs citations	87 times ranked	7212 citing authors

#	Article	IF	Citations
1	The ESCRT machinery directs quality control over inner nuclear membrane architecture. Cell Reports, 2022, 38, 110263.	2.9	9
2	Acetyl-CoA flux from the cytosol to the ER regulates engagement and quality of the secretory pathway. Scientific Reports, 2021, 11, 2013.	1.6	16
3	Turbinmicin inhibits Candida biofilm growth by disrupting fungal vesicleâ€“mediated trafficking. Journal of Clinical Investigation, 2021, 131, .	3.9	29
4	Protein-induced membrane curvature in coarse-grained simulations. Biophysical Journal, 2021, 120, 3211-3221.	0.2	16
5	A marine microbiome antifungal targets urgent-threat drug-resistant fungi. Science, 2020, 370, 974-978.	6.0	102
6	Molecular Simulation of Mechanical Properties and Membrane Activities of the ESCRT-III Complexes. Biophysical Journal, 2020, 118, 1333-1343.	0.2	14
7	Regulated lipid synthesis and LEM2/CHMP7 jointly control nuclear envelope closure. Journal of Cell Biology, 2020, 219, .	2.3	46
8	COPIIâ€mediated trafficking at the ER/ERGIC interface. Traffic, 2019, 20, 491-503.	1.3	89
9	Growth factor stimulation promotes multivesicular endosome biogenesis by prolonging recruitment of the late-acting ESCRT machinery. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6858-6867.	3.3	20
10	Mad1 destabilizes p53 by preventing PML from sequestering MDM2. Nature Communications, 2019, 10, 1540.	5.8	22
11	Biochemical Approaches to Studying Caenorhabditis elegans ESCRT Functions In Vitro. Methods in Molecular Biology, 2019, 1998, 189-202.	0.4	0
12	Dynamic Glycosylation Governs the Vertebrate COPII Protein Trafficking Pathway. Biochemistry, 2018, 57, 91-107.	1.2	41
13	ESCRT-dependent cargo sorting at multivesicular endosomes. Seminars in Cell and Developmental Biology, 2018, 74, 4-10.	2.3	116
14	Mutations in GFAP Disrupt the Distribution and Function of Organelles in Human Astrocytes. Cell Reports, 2018, 25, 947-958.e4.	2.9	45
15	Pathogenic TFG Mutations Underlying Hereditary Spastic Paraplegia Impair Secretory Protein Trafficking and Axon Fasciculation. Cell Reports, 2018, 24, 2248-2260.	2.9	24
16	A simple supported tubulated bilayer system for evaluating protein-mediated membrane remodeling. Chemistry and Physics of Lipids, 2018, 215, 18-28.	1.5	6
17	Supported Tubulated Bilayers: A Novel System for Evaluating Protein-Mediated Membrane Remodeling. Biophysical Journal, 2018, 114, 612a.	0.2	0
18	Membrane Transport at an Organelle Interface in the Early Secretory Pathway: Take Your Coat Off and Stay a While. BioEssays, 2018, 40, e1800004.	1.2	27

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19	Membrane remodeling during embryonic abscission in Caenorhabditis elegans. Journal of Cell Biology, 2017, 216, 1277-1286.	2.3	44
20	TFG facilitates outer coat disassembly on COPII transport carriers to promote tethering and fusion with ERâ€“Golgi intermediate compartments. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7707-E7716.	3.3	65
21	Ist1 regulates ESCRT-III assembly and function during multivesicular endosome biogenesis in Caenorhabditis elegans embryos. Nature Communications, 2017, 8, 1439.	5.8	38
22	Hereditary spastic paraplegias: identification of a novel SPG57 variant affecting TFG oligomerization and description of HSP subtypes in Sudan. European Journal of Human Genetics, 2017, 25, 100-110.	1.4	28
23	The Noncanonical Role of ULK/ATG1 in ER-to-Golgi Trafficking Is Essential for Cellular Homeostasis. Molecular Cell, 2016, 62, 491-506.	4.5	148
24	Eps15 membrane-binding and -bending activity acts redundantly with Fcho1 during clathrin-mediated endocytosis. Molecular Biology of the Cell, 2016, 27, 2675-2687.	0.9	20
25	Sar1 GTPase Activity Is Regulated by Membrane Curvature. Journal of Biological Chemistry, 2016, 291, 1014-1027.	1.6	51
26	Burning cellular bridges: Two pathways to the big breakup. Journal of Cell Biology, 2016, 212, 491-493.	2.3	1
27	Phosphoregulation of the C. elegans cadherinâ€“catenin complex. Biochemical Journal, 2015, 472, 339-352.	1.7	15
28	Quantification of Cellular NEMO Content and Its Impact on NF-Î¹B Activation by Genotoxic Stress. PLoS ONE, 2015, 10, e0116374.	1.1	6
29	Necrotic Cells Actively Attract Phagocytes through the Collaborative Action of Two Distinct PS-Exposure Mechanisms. PLoS Genetics, 2015, 11, e1005285.	1.5	37
30	Kv1.3 contains an alternative C-terminal ER exit motif and is recruited into COPII vesicles by Sec24a. BMC Biochemistry, 2015, 16, 16.	4.4	18
31	<scp>TFG</scp> clusters <scp>COPII</scp>â€coated transport carriers and promotes early secretory pathway organization. EMBO Journal, 2015, 34, 811-827.	3.5	92
32	Hrs and STAM Function Synergistically to Bind Ubiquitin-Modified Cargoes In Vitro. Biophysical Journal, 2015, 108, 76-84.	0.2	20
33	The VPS-20 subunit of the endosomal sorting complex ESCRT-III exhibits an open conformation in the absence of upstream activation. Biochemical Journal, 2015, 466, 625-637.	1.7	20
34	Simvastatin attenuates rhinovirus-induced interferon and CXCL10 secretion from monocytic cells in vitro. Journal of Leukocyte Biology, 2014, 95, 951-959.	1.5	18
35	Spatial control of phospholipid flux restricts endoplasmic reticulum sheet formation to allow nuclear envelope breakdown. Genes and Development, 2014, 28, 121-126.	2.7	75
36	The ESCRT machinery: From the plasma membrane to endosomes and back again. Critical Reviews in Biochemistry and Molecular Biology, 2014, 49, 242-261.	2.3	115

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37	A Golgi-Localized Pool of the Mitotic Checkpoint Component Mad1 Controls Integrin Secretion and Cell Migration. Current Biology, 2014, 24, 2687-2692.	1.8	20
38	Structural analysis and modeling reveals new mechanisms governing ESCRT-III spiral filament assembly. Journal of Cell Biology, 2014, 206, 763-777.	2.3	115
39	In vivo imaging of C. elegans endocytosis. Methods, 2014, 68, 518-528.	1.9	19
40	SORCS1 is necessary for normal insulin secretory granule biogenesis in metabolically stressed Î² cells. Journal of Clinical Investigation, 2014, 124, 4240-4256.	3.9	53
41	Worming Our Way In and Out of the Caenorhabditis elegans Germline and Developing Embryo. Traffic, 2013, 14, 471-478.	1.3	8
42	Regulation of ubiquitin-dependent cargo sorting by multiple endocytic adaptors at the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11857-11862.	3.3	57
43	The midbody ring scaffolds the abscission machinery in the absence of midbody microtubules. Journal of Cell Biology, 2013, 203, 505-520.	2.3	71
44	Inhibition of TFG function causes hereditary axon degeneration by impairing endoplasmic reticulum structure. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5091-5096.	3.3	90
45	The cholesterolâ€lowering drug, simvastatin, attenuates rhinovirusâ€induced IPâ€10 release from human monocytic cells. FASEB Journal, 2013, 27, 846.1.	0.2	0
46	The dual PH domain protein Opy1 functions as a sensor and modulator of PtdIns(4,5)P₂synthesis. EMBO Journal, 2012, 31, 2882-2894.	3.5	20
47	Up-regulation of the mitotic checkpoint component Mad1 causes chromosomal instability and resistance to microtubule poisons. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2205-14.	3.3	75
48	Roles of Acidic Phospholipids and Nucleotides in Regulating Membrane Binding and Activity of a Calcium-independent Phospholipase A2 Isoform. Journal of Biological Chemistry, 2012, 287, 38824-38834.	1.6	14
49	Vesicle formation within endosomes: An ESCRT marks the spot. Communicative and Integrative Biology, 2012, 5, 50-56.	0.6	29
50	Sm protein down-regulation leads to defects in nuclear pore complex disassembly and distribution in C. elegans embryos. Developmental Biology, 2012, 365, 445-457.	0.9	19
51	Mechanisms of ESCRTâ€mediated cargo sorting and degradation. FASEB Journal, 2012, 26, 463.1.	0.2	1
52	Palmitoylation controls the dynamics of budding-yeast heterochromatin via the telomere-binding protein Rif1. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14572-14577.	3.3	66
53	A High-Resolution C.Âelegans Essential Gene Network Based on Phenotypic Profiling of a Complex Tissue. Cell, 2011, 145, 470-482.	13.5	193
54	TFG-1 function in protein secretion and oncogenesis. Nature Cell Biology, 2011, 13, 550-558.	4.6	161

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55	ESCRT-0 Assembles as a Heterotetrameric Complex on Membranes and Binds Multiple Ubiquitinylated Cargoes Simultaneously. Journal of Biological Chemistry, 2011, 286, 9636-9645.	1.6	72
56	Association of the Endosomal Sorting Complex ESCRT-II with the Vps20 Subunit of ESCRT-III Generates a Curvature-sensitive Complex Capable of Nucleating ESCRT-III Filaments. Journal of Biological Chemistry, 2011, 286, 34262-34270.	1.6	80
57	The F-BAR domain of SRGP-1 facilitates cellâ€“cell adhesion during C. elegans morphogenesis. Journal of Cell Biology, 2010, 191, 761-769.	2.3	56
58	EHBP-1 Functions with RAB-10 during Endocytic Recycling inCaenorhabditis elegans. Molecular Biology of the Cell, 2010, 21, 2930-2943.	0.9	90
59	UNC-6 (netrin) orients the invasive membrane of the anchor cell in C. elegans. Nature Cell Biology, 2009, 11, 183-189.	4.6	128
60	Early embryonic requirement for nucleoporin Nup35/NPP-19 in nuclear assembly. Developmental Biology, 2009, 327, 399-409.	0.9	43
61	UNC-45 is required for NMY-2 contractile function in early embryonic polarity establishment and germline cellularization in C. elegans. Developmental Biology, 2008, 314, 287-299.	0.9	77
62	Expression and Imaging of Fluorescent Proteins in the C. elegans Gonad and Early Embryo. Methods in Cell Biology, 2008, 85, 179-218.	0.5	64
63	Assembly of the PtdIns 4-kinase Stt4 complex at the plasma membrane requires Ypp1 and Efr3. Journal of Cell Biology, 2008, 183, 1061-1074.	2.3	150
64	Proteomics in Caenorhabditis elegans. Briefings in Functional Genomics & Proteomics, 2008, 7, 205-210.	3.8	13
65	A role for Rab5 in structuring the endoplasmic reticulum. Journal of Cell Biology, 2007, 178, 43-56.	2.3	171
66	A Microtubule-Independent Role for Centrosomes and Aurora A in Nuclear Envelope Breakdown. Developmental Cell, 2007, 12, 515-529.	3.1	123
67	MVB-12, a Fourth Subunit of Metazoan ESCRT-I, Functions in Receptor Downregulation. PLoS ONE, 2007, 2, e956.	1.1	49
68	Dynamic Regulation of Caveolin-1 Trafficking in the Germ Line and Embryo of Caenorhabditis elegans. Molecular Biology of the Cell, 2006, 17, 3085-3094.	0.9	106
69	The Phosphatidylinositol 4,5-Biphosphate and TORC2 Binding Proteins Slm1 and Slm2 Function in Sphingolipid Regulation. Molecular and Cellular Biology, 2006, 26, 5861-5875.	1.1	125
70	Katanin controls mitotic and meiotic spindle length. Journal of Cell Biology, 2006, 175, 881-891.	2.3	266
71	The ins and outs of endocytic transport. Nature Cell Biology, 2005, 7, 1151-1154.	4.6	3
72	The Phosphoinositide Phosphatase Sjl2 Is Recruited to Cortical Actin Patches in the Control of Vesicle Formation and Fission during Endocytosis. Molecular and Cellular Biology, 2005, 25, 2910-2923.	1.1	72

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73	A complex containing the Sm protein CAR-1 and the RNA helicase CGH-1 is required for embryonic cytokinesis in Caenorhabditis elegans. Journal of Cell Biology, 2005, 171, 267-279.	2.3	222
74	Cytoplasmic Inositol Hexakisphosphate Production Is Sufficient for Mediating the Gle1-mRNA Export Pathway. Journal of Biological Chemistry, 2004, 279, 51022-51032.	1.6	45
75	Genome-wide lethality screen identifies new PI4,5P2 effectors that regulate the actin cytoskeleton. EMBO Journal, 2004, 23, 3747-3757.	3.5	124
76	Genome-Wide Analysis of Membrane Targeting by S. cerevisiae Pleckstrin Homology Domains. Molecular Cell, 2004, 13, 677-688.	4.5	315
77	Regulation of PI4,5P2 synthesis by nuclear-cytoplasmic shuttling of the Mss4 lipid kinase. EMBO Journal, 2003, 22, 4223-4236.	3.5	103
78	Bro1 is an endosome-associated protein that functions in the MVB pathway in Saccharomyces cerevisiae. Journal of Cell Science, 2003, 116, 1893-1903.	1.2	189
79	The Saccharomyces cerevisiae LSB6 Gene Encodes Phosphatidylinositol 4-Kinase Activity. Journal of Biological Chemistry, 2002, 277, 47709-47718.	1.6	75
80	Stt4 PI 4-Kinase Localizes to the Plasma Membrane and Functions in the Pkc1-Mediated MAP Kinase Cascade. Developmental Cell, 2002, 2, 593-605.	3.1	236
81	Sac1 Lipid Phosphatase and Stt4 Phosphatidylinositol 4-Kinase Regulate a Pool of Phosphatidylinositol 4-Phosphate That Functions in the Control of the Actin Cytoskeleton and Vacuole Morphology. Molecular Biology of the Cell, 2001, 12, 2396-2411.	0.9	216
82	Pathogenic TFG Mutations Underlying Hereditary Spastic Paraplegia Impair Secretory Protein Trafficking and Axon Fasciculation. SSRN Electronic Journal, 0, , .	0.4	0