

# Junjie Hu

## List of Publications by Year in descending order

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71  
papers

5,533  
citations

101543

36  
h-index

106344

65  
g-index

74  
all docs

74  
docs citations

74  
times ranked

6482  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Class of Dynamin-like GTPases Involved in the Generation of the Tubular ER Network. <i>Cell</i> , 2009, 138, 549-561.	28.9	495
2	Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. <i>Cell</i> , 2018, 175, 1430-1442.e17.	28.9	427
3	Membrane Proteins of the Endoplasmic Reticulum Induce High-Curvature Tubules. <i>Science</i> , 2008, 319, 1247-1250.	12.6	386
4	Mechanisms Shaping the Membranes of Cellular Organelles. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 329-354.	9.4	368
5	The Reticulon and Dp1/Yop1p Proteins Form Immobile Oligomers in the Tubular Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2008, 283, 18892-18904.	3.4	292
6	The Vici Syndrome Protein EPG5 Is a Rab7 Effector that Determines the Fusion Specificity of Autophagosomes with Late Endosomes/Lysosomes. <i>Molecular Cell</i> , 2016, 63, 781-795.	9.7	227
7	Structures of the atlastin GTPase provide insight into homotypic fusion of endoplasmic reticulum membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3976-3981.	7.1	212
8	Mitochondrial Fusion: The Machineries In and Out. <i>Trends in Cell Biology</i> , 2021, 31, 62-74.	7.9	166
9	Activation-dependent substrate recruitment by the eukaryotic translation initiation factor 2 kinase PERK. <i>Journal of Cell Biology</i> , 2006, 172, 201-209.	5.2	146
10	Structures of human mitofusin 1 provide insight into mitochondrial tethering. <i>Journal of Cell Biology</i> , 2016, 215, 621-629.	5.2	141
11	Weaving the Web of ER Tubules. <i>Cell</i> , 2011, 147, 1226-1231.	28.9	138
12	Structural Basis for Recruitment of the Adaptor Protein APS to the Activated Insulin Receptor. <i>Molecular Cell</i> , 2003, 12, 1379-1389.	9.7	113
13	Structural Basis for Inhibition of the Insulin Receptor by the Adaptor Protein Grb14. <i>Molecular Cell</i> , 2005, 20, 325-333.	9.7	105
14	The dynamin-like GTPase Sey1p mediates homotypic ER fusion in <i>S. cerevisiae</i> . <i>Journal of Cell Biology</i> , 2012, 197, 209-217.	5.2	104
15	Shaping the Endoplasmic Reticulum into a Social Network. <i>Trends in Cell Biology</i> , 2016, 26, 934-943.	7.9	104
16	Lipid interaction of the C terminus and association of the transmembrane segments facilitate atlastin-mediated homotypic endoplasmic reticulum fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E2146-54.	7.1	102
17	ROOT HAIR DEFECTIVE3 Family of Dynamin-Like GTPases Mediates Homotypic Endoplasmic Reticulum Fusion and Is Essential for Arabidopsis Development. <i>Plant Physiology</i> , 2013, 163, 713-720.	4.8	96
18	Structural insights of human mitofusin-2 into mitochondrial fusion and CMT2A onset. <i>Nature Communications</i> , 2019, 10, 4914.	12.8	95

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19	Mutations in Orai1 transmembrane segment 1 cause STIM1-independent activation of Orai1 channels at glycine 98 and channel closure at arginine 91. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17838-17843.	7.1	92
20	DNA damage triggers tubular endoplasmic reticulum extension to promote apoptosis by facilitating ER-mitochondria signaling. <i>Cell Research</i> , 2018, 28, 833-854.	12.0	90
21	Differential Roles of the C and N Termini of Orai1 Protein in Interacting with Stromal Interaction Molecule 1 (STIM1) for Ca <sup>2+</sup> Release-activated Ca <sup>2+</sup> (CRAC) Channel Activation. <i>Journal of Biological Chemistry</i> , 2013, 288, 11263-11272.	3.4	83
22	A multi-agent system for distribution grid congestion management with electric vehicles. <i>Engineering Applications of Artificial Intelligence</i> , 2015, 38, 45-58.	8.1	81
23	Structural basis for GTP hydrolysis and conformational change of MFN1 in mediating membrane fusion. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 233-243.	8.2	78
24	Structural Basis of the Differential Function of the Two <i>C.Ælegans</i> Atg8 Homologs, LGG-1 and LGG-2, in Autophagy. <i>Molecular Cell</i> , 2015, 60, 914-929.	9.7	77
25	A family of membrane-shaping proteins at ER subdomains regulates pre-peroxisomal vesicle biogenesis. <i>Journal of Cell Biology</i> , 2016, 215, 515-529.	5.2	74
26	Structural Characterization of a Novel Cbl Phosphotyrosine Recognition Motif in the APS Family of Adapter Proteins. <i>Journal of Biological Chemistry</i> , 2005, 280, 18943-18949.	3.4	70
27	Fusion of the endoplasmic reticulum by membrane-bound GTPases. <i>Seminars in Cell and Developmental Biology</i> , 2016, 60, 105-111.	5.0	68
28	Cis and trans interactions between atlastin molecules during membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1851-60.	7.1	65
29	Structural Insight into Golgi Membrane Stacking by GRASP65 and GRASP55 Proteins. <i>Journal of Biological Chemistry</i> , 2013, 288, 28418-28427.	3.4	54
30	Atlastin-mediated membrane tethering is critical for cargo mobility and exit from the endoplasmic reticulum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14029-14038.	7.1	52
31	Molecular basis for sculpting the endoplasmic reticulum membrane. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1436-1443.	2.8	48
32	Automatic delineation of the clinical target volume and organs at risk by deep learning for rectal cancer postoperative radiotherapy. <i>Radiotherapy and Oncology</i> , 2020, 145, 186-192.	0.6	48
33	LEM4 confers tamoxifen resistance to breast cancer cells by activating cyclin D-CDK4/6-Rb and ER $\alpha$ pathway. <i>Nature Communications</i> , 2018, 9, 4180.	12.8	47
34	Structures of the yeast dynamin-like GTPase Sey1p provide insight into homotypic ER fusion. <i>Journal of Cell Biology</i> , 2015, 210, 961-972.	5.2	46
35	Structural basis for neutralization of Japanese encephalitis virus by two potent therapeutic antibodies. <i>Nature Microbiology</i> , 2018, 3, 287-294.	13.3	42
36	Structural analysis of a trimeric assembly of the mitochondrial dynamin-like GTPase Mgm1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4061-4070.	7.1	42

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37	Atlastin-1 regulates morphology and function of endoplasmic reticulum in dendrites. <i>Nature Communications</i> , 2019, 10, 568.	12.8	41
38	Transmembrane E3 ligase RNF183 mediates ER stress-induced apoptosis by degrading Bcl-xL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2762-E2771.	7.1	35
39	Sequences flanking the transmembrane segments facilitate mitochondrial localization and membrane fusion by mitofusin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9863-E9872.	7.1	34
40	Quantitative proteomics reveal proteins enriched in tubular endoplasmic reticulum of <i>Saccharomyces cerevisiae</i> . <i>ELife</i> , 2017, 6, .	6.0	34
41	SNX27-FERM-SNX1 complex structure rationalizes divergent trafficking pathways by SNX17 and SNX27. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
42	Structural Basis for Phosphotyrosine Recognition by the Src Homology-2 Domains of the Adapter Proteins SH2-B and APS. <i>Journal of Molecular Biology</i> , 2006, 361, 69-79.	4.2	32
43	Human atlastin GTPases mediate differentiated fusion of endoplasmic reticulum membranes. <i>Protein and Cell</i> , 2015, 6, 307-311.	11.0	32
44	Mycobacterial dynamin-like protein IniA mediates membrane fission. <i>Nature Communications</i> , 2019, 10, 3906.	12.8	30
45	Calumenin-1 Interacts with Climp63 to Cooperatively Determine the Luminal Width and Distribution of Endoplasmic Reticulum Sheets. <i>IScience</i> , 2019, 22, 70-80.	4.1	29
46	Sec61 <sup>Δ2</sup> facilitates the maintenance of endoplasmic reticulum homeostasis by associating microtubules. <i>Protein and Cell</i> , 2018, 9, 616-628.	11.0	27
47	Comparison of human and <i>Drosophila</i> atlastin GTPases. <i>Protein and Cell</i> , 2015, 6, 139-146.	11.0	26
48	Atlastin 2/3 regulate ER targeting of the ULK1 complex to initiate autophagy. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	26
49	Reciprocal regulation between lunapark and atlastin facilitates ER three-way junction formation. <i>Protein and Cell</i> , 2019, 10, 510-525.	11.0	25
50	Structural insights into G domain dimerization and pathogenic mutation of OPA1. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	25
51	Atlastin regulates store-operated calcium entry for nerve growth factor-induced neurite outgrowth. <i>Scientific Reports</i> , 2017, 7, 43490.	3.3	24
52	Double lock of a potent human therapeutic monoclonal antibody against SARS-CoV-2. <i>National Science Review</i> , 2021, 8, nwaa297.	9.5	24
53	FIT2 organizes lipid droplet biogenesis with ER tubule-forming proteins and septins. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	23
54	A Comprehensive Analysis of Plasmodium Circumsporozoite Protein Binding to Hepatocytes. <i>PLoS ONE</i> , 2016, 11, e0161607.	2.5	19

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55	An overview of trends in distribution network planning: A movement towards smart planning. , 2014, , .		18
56	Endoplasmic reticulum composition and form: Proteins in and out. <i>Current Opinion in Cell Biology</i> , 2021, 71, 1-6.	5.4	18
57	SARS-CoV-2 ORF8 reshapes the ER through forming mixed disulfides with ER oxidoreductases. <i>Redox Biology</i> , 2022, 54, 102388.	9.0	16
58	STIM1 interacts with termini of Orai channels in a sequential manner. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
59	A SURF4-to-proteoglycan relay mechanism that mediates the sorting and secretion of a tagged variant of sonic hedgehog. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113991119.	7.1	14
60	Homotypic fusion of endoplasmic reticulum membranes in plant cells. <i>Frontiers in Plant Science</i> , 2013, 4, 514.	3.6	10
61	An Overview of Modeling Approaches Applied to Aggregation-Based Fleet Management and Integration of Plug-in Electric Vehicles â€“. <i>Energies</i> , 2016, 9, 968.	3.1	10
62	Self-Association of Purified Reconstituted ER Luminal Spacer Climp63. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 500.	3.7	9
63	Identification of endoplasmic reticulum-shaping proteins in <i>Plasmodium</i> parasites. <i>Protein and Cell</i> , 2016, 7, 615-620.	11.0	7
64	â€œAt last inâ€•the physiological roles of the tubular ER network. <i>Biophysics Reports</i> , 2020, 6, 105-114.	0.8	7
65	A <i>Plasmodium</i> homolog of ER tubule-forming proteins is required for parasite virulence. <i>Molecular Microbiology</i> , 2020, 114, 454-467.	2.5	7
66	Novel migration operators of biogeography-based optimization and Markov analysis. <i>Soft Computing</i> , 2017, 21, 6605-6632.	3.6	5
67	Modelling the aggregated dynamic response of electric vehicles. , 2017, , .		2
68	Activation of Orai1 Channels by Mutation of a Conserved Glycine Residue in TM1. <i>Biophysical Journal</i> , 2011, 100, 182a.	0.5	0
69	Gating and Assembling Mechanisms of CRAC Channels. <i>Biophysical Journal</i> , 2012, 102, 681a.	0.5	0
70	Editorial: Coupling and Uncoupling: Dynamic Control of Membrane Contacts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 721546.	3.7	0
71	The role of the C-terminus and transmembrane segments in facilitating atlastin-mediated endoplasmic reticulum fusion. <i>FASEB Journal</i> , 2013, 27, 1016.1.	0.5	0