

Junjie Hu

List of Publications by Year in descending order

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71
papers

5,533
citations

101543

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106344

65
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all docs

74
docs citations

74
times ranked

6482
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	SARS-CoV-2 ORF8 reshapes the ER through forming mixed disulfides with ER oxidoreductases. <i>Redox Biology</i> , 2022, 54, 102388.	9.0	16
3	Mitochondrial Fusion: The Machineries In and Out. <i>Trends in Cell Biology</i> , 2021, 31, 62-74.	7.9	166
4	FIT2 organizes lipid droplet biogenesis with ER tubule-forming proteins and septins. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	23
5	Atlastin 2/3 regulate ER targeting of the ULK1 complex to initiate autophagy. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	26
6	Editorial: Coupling and Uncoupling: Dynamic Control of Membrane Contacts. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 721546.	3.7	0
7	Endoplasmic reticulum composition and form: Proteins in and out. <i>Current Opinion in Cell Biology</i> , 2021, 71, 1-6.	5.4	18
8	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
9	Double lock of a potent human therapeutic monoclonal antibody against SARS-CoV-2. <i>National Science Review</i> , 2021, 8, nwaa297.	9.5	24
10	At last the physiological roles of the tubular ER network. <i>Biophysics Reports</i> , 2020, 6, 105-114.	0.8	7
11	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
12	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
13	Self-Association of Purified Reconstituted ER Luminal Spacer Climp63. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 500.	3.7	9
14	STIM1 interacts with termini of Orai channels in a sequential manner. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	14
15	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
16	Structural insights into G domain dimerization and pathogenic mutation of OPA1. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	25
17	Structural insights of human mitofusin-2 into mitochondrial fusion and CMT2A onset. <i>Nature Communications</i> , 2019, 10, 4914.	12.8	95
18	Mycobacterial dynamin-like protein IniA mediates membrane fission. <i>Nature Communications</i> , 2019, 10, 3906.	12.8	30

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19	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
20	Atlastin-1 regulates morphology and function of endoplasmic reticulum in dendrites. <i>Nature Communications</i> , 2019, 10, 568.	12.8	41
21	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
22	Reciprocal regulation between lunapark and atlastin facilitates ER three-way junction formation. <i>Protein and Cell</i> , 2019, 10, 510-525.	11.0	25
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	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
25	Structural basis for neutralization of Japanese encephalitis virus by two potent therapeutic antibodies. <i>Nature Microbiology</i> , 2018, 3, 287-294.	13.3	42
26	Sec61 ^{Δ2} facilitates the maintenance of endoplasmic reticulum homeostasis by associating microtubules. <i>Protein and Cell</i> , 2018, 9, 616-628.	11.0	27
27	LEM4 confers tamoxifen resistance to breast cancer cells by activating cyclin D-CDK4/6-Rb and ER α pathway. <i>Nature Communications</i> , 2018, 9, 4180.	12.8	47
28	Visualizing Intracellular Organelle and Cytoskeletal Interactions at Nanoscale Resolution on Millisecond Timescales. <i>Cell</i> , 2018, 175, 1430-1442.e17.	28.9	427
29	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
30	Novel migration operators of biogeography-based optimization and Markov analysis. <i>Soft Computing</i> , 2017, 21, 6605-6632.	3.6	5
31	Atlastin regulates store-operated calcium entry for nerve growth factor-induced neurite outgrowth. <i>Scientific Reports</i> , 2017, 7, 43490.	3.3	24
32	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
33	Modelling the aggregated dynamic response of electric vehicles. , 2017, , .		2
34	Quantitative proteomics reveal proteins enriched in tubular endoplasmic reticulum of <i>Saccharomyces cerevisiae</i> . <i>ELife</i> , 2017, 6, .	6.0	34
35	An Overview of Modeling Approaches Applied to Aggregation-Based Fleet Management and Integration of Plug-in Electric Vehicles. <i>Energies</i> , 2016, 9, 968.	3.1	10
36	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

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37	Identification of endoplasmic reticulum-shaping proteins in Plasmodium parasites. Protein and Cell, 2016, 7, 615-620.	11.0	7
38	Structures of human mitofusin 1 provide insight into mitochondrial tethering. Journal of Cell Biology, 2016, 215, 621-629.	5.2	141
39	A family of membrane-shaping proteins at ER subdomains regulates pre-peroxisomal vesicle biogenesis. Journal of Cell Biology, 2016, 215, 515-529.	5.2	74
40	Fusion of the endoplasmic reticulum by membrane-bound GTPases. Seminars in Cell and Developmental Biology, 2016, 60, 105-111.	5.0	68
41	Shaping the Endoplasmic Reticulum into a Social Network. Trends in Cell Biology, 2016, 26, 934-943.	7.9	104
42	A Comprehensive Analysis of Plasmodium Circumsporozoite Protein Binding to Hepatocytes. PLoS ONE, 2016, 11, e0161607.	2.5	19
43	Structural Basis of the Differential Function of the Two C.Âlegans Atg8 Homologs, LGG-1 and LGG-2, in Autophagy. Molecular Cell, 2015, 60, 914-929.	9.7	77
44	Comparison of human and Drosophila atlastin GTPases. Protein and Cell, 2015, 6, 139-146.	11.0	26
45	Human atlastin GTPases mediate differentiated fusion of endoplasmic reticulum membranes. Protein and Cell, 2015, 6, 307-311.	11.0	32
46	Cis and trans interactions between atlastin molecules during membrane fusion. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1851-60.	7.1	65
47	Structures of the yeast dynamin-like GTPase Sey1p provide insight into homotypic ER fusion. Journal of Cell Biology, 2015, 210, 961-972.	5.2	46
48	A multi-agent system for distribution grid congestion management with electric vehicles. Engineering Applications of Artificial Intelligence, 2015, 38, 45-58.	8.1	81
49	An overview of trends in distribution network planning: A movement towards smart planning. , 2014, , .		18
50	ROOT HAIR DEFECTIVE3 Family of Dynamin-Like GTPases Mediates Homotypic Endoplasmic Reticulum Fusion and Is Essential for Arabidopsis Development. Plant Physiology, 2013, 163, 713-720.	4.8	96
51	Homotypic fusion of endoplasmic reticulum membranes in plant cells. Frontiers in Plant Science, 2013, 4, 514.	3.6	10
52	Structural Insight into Golgi Membrane Stacking by GRASP65 and GRASP55 Proteins. Journal of Biological Chemistry, 2013, 288, 28418-28427.	3.4	54
53	Differential Roles of the C and N Termini of Orai1 Protein in Interacting with Stromal Interaction Molecule 1 (STIM1) for Ca ²⁺ Release-activated Ca ²⁺ (CRAC) Channel Activation. Journal of Biological Chemistry, 2013, 288, 11263-11272.	3.4	83
54	The role of the C-terminus and transmembrane segments in facilitating atlastin-mediated endoplasmic reticulum fusion. FASEB Journal, 2013, 27, 1016.1.	0.5	0

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55	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
56	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
57	Molecular basis for sculpting the endoplasmic reticulum membrane. <i>International Journal of Biochemistry and Cell Biology</i> , 2012, 44, 1436-1443.	2.8	48
58	Gating and Assembling Mechanisms of CRAC Channels. <i>Biophysical Journal</i> , 2012, 102, 681a.	0.5	0
59	Activation of Orai1 Channels by Mutation of a Conserved Glycine Residue in TM1. <i>Biophysical Journal</i> , 2011, 100, 182a.	0.5	0
60	Weaving the Web of ER Tubules. <i>Cell</i> , 2011, 147, 1226-1231.	28.9	138
61	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
62	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
63	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
64	Mechanisms Shaping the Membranes of Cellular Organelles. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 329-354.	9.4	368
65	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
66	Membrane Proteins of the Endoplasmic Reticulum Induce High-Curvature Tubules. <i>Science</i> , 2008, 319, 1247-1250.	12.6	386
67	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
68	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
69	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
70	Structural Basis for Inhibition of the Insulin Receptor by the Adaptor Protein Grb14. <i>Molecular Cell</i> , 2005, 20, 325-333.	9.7	105
71	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