

# Yihong Ye

## List of Publications by Year in descending order

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97  
papers

10,656  
citations

47006

47  
h-index

38395

95  
g-index

106  
all docs

106  
docs citations

106  
times ranked

11394  
citing authors

#	ARTICLE	IF	CITATIONS
1	The AAA ATPase Cdc48/p97 and its partners transport proteins from the ER into the cytosol. <i>Nature</i> , 2001, 414, 652-656.	27.8	1,025
2	A membrane protein complex mediates retro-translocation from the ER lumen into the cytosol. <i>Nature</i> , 2004, 429, 841-847.	27.8	858
3	Building ubiquitin chains: E2 enzymes at work. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 755-764.	37.0	816
4	Retro-translocation of proteins from the endoplasmic reticulum into the cytosol. <i>Nature Reviews Molecular Cell Biology</i> , 2002, 3, 246-255.	37.0	593
5	Function of the p97-Ufd1-Npl4 complex in retrotranslocation from the ER to the cytosol. <i>Journal of Cell Biology</i> , 2003, 162, 71-84.	5.2	542
6	Neurogenic phenotypes and altered Notch processing in <i>Drosophila</i> Presenilin mutants. <i>Nature</i> , 1999, 398, 525-529.	27.8	490
7	Cleaning up in the endoplasmic reticulum: ubiquitin in charge. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 325-335.	8.2	319
8	ERAD inhibitors integrate ER stress with an epigenetic mechanism to activate BH3-only protein NOXA in cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2200-2205.	7.1	305
9	Recruitment of the p97 ATPase and ubiquitin ligases to the site of retrotranslocation at the endoplasmic reticulum membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14132-14138.	7.1	295
10	Polyubiquitin chains: functions, structures, and mechanisms. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2397-2406.	5.4	216
11	A Ubiquitin Ligase-Associated Chaperone Holdase Maintains Polypeptides in Soluble States for Proteasome Degradation. <i>Molecular Cell</i> , 2011, 42, 758-770.	9.7	191
12	Diverse functions with a common regulator: Ubiquitin takes command of an AAA ATPase. <i>Journal of Structural Biology</i> , 2006, 156, 29-40.	2.8	188
13	A ubiquitin ligase transfers preformed polyubiquitin chains from a conjugating enzyme to a substrate. <i>Nature</i> , 2007, 446, 333-337.	27.8	187
14	Inhibition of p97-dependent Protein Degradation by Eeyarestatin I. <i>Journal of Biological Chemistry</i> , 2008, 283, 7445-7454.	3.4	175
15	Unconventional secretion of misfolded proteins promotes adaptation to proteasome dysfunction in mammalian cells. <i>Nature Cell Biology</i> , 2016, 18, 765-776.	10.3	175
16	Heparan sulfate assists SARS-CoV-2 in cell entry and can be targeted by approved drugs in vitro. <i>Cell Discovery</i> , 2020, 6, 80.	6.7	172
17	Nicastrin Is Required for $\beta$ -Secretase Cleavage of the <i>Drosophila</i> Notch Receptor. <i>Developmental Cell</i> , 2002, 2, 69-78.	7.0	170
18	Regulation of retrotranslocation by p97-associated deubiquitinating enzyme ataxin-3. <i>Journal of Cell Biology</i> , 2006, 174, 963-971.	5.2	169

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19	A Mighty "Protein Extractor" of the Cell: Structure and Function of the p97/CDC48 ATPase. <i>Frontiers in Molecular Biosciences</i> , 2017, 4, 39.	3.5	151
20	Multilayered Mechanism of CD4 Downregulation by HIV-1 Vpu Involving Distinct ER Retention and ERAD Targeting Steps. <i>PLoS Pathogens</i> , 2010, 6, e1000869.	4.7	145
21	The ERAD Inhibitor Eeyarestatin I Is a Bifunctional Compound with a Membrane-Binding Domain and a p97/VCP Inhibitory Group. <i>PLoS ONE</i> , 2010, 5, e15479.	2.5	135
22	Structure and function of the AAA+ ATPase p97/Cdc48p. <i>Gene</i> , 2016, 583, 64-77.	2.2	133
23	Ubiquilin and p97/VCP bind erasin, forming a complex involved in ERAD. <i>Journal of Cell Biology</i> , 2009, 187, 201-217.	5.2	132
24	Reversible inactivation of deubiquitinases by reactive oxygen species in vitro and in cells. <i>Nature Communications</i> , 2013, 4, 1568.	12.8	129
25	Apoptotic Activities of Wild-Type and Alzheimer's Disease-Related Mutant Presenilins in <i>Drosophila melanogaster</i> . <i>Journal of Cell Biology</i> , 1999, 146, 1351-1364.	5.2	101
26	TorsinA participates in endoplasmic reticulum-associated degradation. <i>Nature Communications</i> , 2011, 2, 393.	12.8	99
27	UFMylation of RPL26 links translocation-associated quality control to endoplasmic reticulum protein homeostasis. <i>Cell Research</i> , 2020, 30, 5-20.	12.0	97
28	Proteostasis regulation at the endoplasmic reticulum: a new perturbation site for targeted cancer therapy. <i>Cell Research</i> , 2011, 21, 867-883.	12.0	96
29	Ufd2p synthesizes branched ubiquitin chains to promote the degradation of substrates modified with atypical chains. <i>Nature Communications</i> , 2017, 8, 14274.	12.8	96
30	The p97 ATPase associates with EEA1 to regulate the size of early endosomes. <i>Cell Research</i> , 2012, 22, 346-359.	12.0	90
31	Polyubiquitin Serves as a Recognition Signal, Rather than a Ratcheting Molecule, during Retrotranslocation of Proteins across the Endoplasmic Reticulum Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 34774-34782.	3.4	87
32	SGTA Recognizes a Noncanonical Ubiquitin-like Domain in the Bag6-Ubl4A-Trc35 Complex to Promote Endoplasmic Reticulum-Associated Degradation. <i>Cell Reports</i> , 2012, 2, 1633-1644.	6.4	86
33	Mechanistic insights into active site-associated polyubiquitination by the ubiquitin-conjugating enzyme Ube2g2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3722-3727.	7.1	84
34	Treatment-Induced Oxidative Stress and Cellular Antioxidant Capacity Determine Response to Bortezomib in Mantle Cell Lymphoma. <i>Clinical Cancer Research</i> , 2011, 17, 5101-5112.	7.0	84
35	The proteasome-interacting Ecm29 protein disassembles the 26S proteasome in response to oxidative stress. <i>Journal of Biological Chemistry</i> , 2017, 292, 16310-16320.	3.4	82
36	Formation of Adeno-Associated Virus Circular Genomes Is Differentially Regulated by Adenovirus E4 ORF6 and E2a Gene Expression. <i>Journal of Virology</i> , 1999, 73, 161-169.	3.4	81

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37	Role of p97 AAA-ATPase in the Retrotranslocation of the Cholera Toxin A1 Chain, a Non-ubiquitinated Substrate. <i>Journal of Biological Chemistry</i> , 2005, 280, 28127-28132.	3.4	79
38	Bag6 complex contains a minimal tail-anchor targeting module and a mock BAG domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 106-111.	7.1	77
39	DNAJC5 facilitates USP19-dependent unconventional secretion of misfolded cytosolic proteins. <i>Cell Discovery</i> , 2018, 4, 11.	6.7	76
40	The zinc finger protein A20 targets TRAF2 to the lysosomes for degradation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 346-353.	4.1	73
41	USP13 antagonizes gp78 to maintain functionality of a chaperone in ER-associated degradation. <i>ELife</i> , 2014, 3, e01369.	6.0	65
42	A Ubiquitin-like Domain Recruits an Oligomeric Chaperone to a Retrotranslocation Complex in Endoplasmic Reticulum-associated Degradation. <i>Journal of Biological Chemistry</i> , 2013, 288, 18068-18076.	3.4	63
43	Structure and function of the yeast U-box-containing ubiquitin ligase Ufd2p. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 15599-15606.	7.1	59
44	Bag6/Bat3/Scythe: A novel chaperone activity with diverse regulatory functions in protein biogenesis and degradation. <i>BioEssays</i> , 2013, 35, 377-385.	2.5	59
45	Characterization of Drosophila Presenilin and its colocalization with Notch during development. <i>Mechanisms of Development</i> , 1998, 79, 199-211.	1.7	57
46	The HECT domain ubiquitin ligase HUWE1 targets unassembled soluble proteins for degradation. <i>Cell Discovery</i> , 2016, 2, 16040.	6.7	56
47	N-terminal ataxin-3 causes neurological symptoms with inclusions, endoplasmic reticulum stress and ribosomal dislocation. <i>Brain</i> , 2011, 134, 1925-1942.	7.6	52
48	RABIF/MSS4 is a Rab-stabilizing holdase chaperone required for GLUT4 exocytosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8224-E8233.	7.1	52
49	gp78 functions downstream of Hrd1 to promote degradation of misfolded proteins of the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2015, 26, 4438-4450.	2.1	50
50	Cellular strategies for making monoubiquitin signals. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2012, 47, 17-28.	5.2	49
51	Characterization of the Deubiquitinating Activity of USP19 and Its Role in Endoplasmic Reticulum-associated Degradation. <i>Journal of Biological Chemistry</i> , 2014, 289, 3510-3517.	3.4	48
52	The Viral E3 Ubiquitin Ligase mK3 Uses the Derlin/p97 Endoplasmic Reticulum-associated Degradation Pathway to Mediate Down-regulation of Major Histocompatibility Complex Class I Proteins. <i>Journal of Biological Chemistry</i> , 2006, 281, 8636-8644.	3.4	47
53	Roles of p97-Associated Deubiquitinases in Protein Quality Control at the Endoplasmic Reticulum. <i>Current Protein and Peptide Science</i> , 2012, 13, 436-446.	1.4	47
54	Filamentous recombinant human Tau activates primary astrocytes via an integrin receptor complex. <i>Nature Communications</i> , 2021, 12, 95.	12.8	46

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55	Derlin2 Protein Facilitates HRD1-mediated Retro-translocation of Sonic Hedgehog at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2013, 288, 25330-25339.	3.4	42
56	Modeling Clinically Heterogeneous Presenilin Mutations with Transgenic <i>Drosophila</i> . <i>Current Biology</i> , 2006, 16, 1026-1033.	3.9	41
57	Stoichiometric Structure-Function Analysis of the Prolactin Receptor Signaling Domain by Receptor Chimeras. <i>Molecular and Cellular Biology</i> , 1998, 18, 896-905.	2.3	40
58	Localization of A20 to a lysosome-associated compartment and its role in NF $\kappa$ B signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 1140-1149.	4.1	39
59	AAGAB Controls AP2 Adaptor Assembly in Clathrin-Mediated Endocytosis. <i>Developmental Cell</i> , 2019, 50, 436-446.e5.	7.0	39
60	Role of HERP and a HERP-related Protein in HRD1-dependent Protein Degradation at the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2014, 289, 4444-4454.	3.4	38
61	A myosin-7B $\epsilon$ -dependent endocytosis pathway mediates cellular entry of $\alpha$ -synuclein fibrils and polycation-bearing cargos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10865-10875.	7.1	37
62	Dimeric Ube2g2 simultaneously engages donor and acceptor ubiquitins to form Lys48-linked ubiquitin chains. <i>EMBO Journal</i> , 2014, 33, 46-61.	7.8	34
63	Monoubiquitination of EEA1 regulates endosome fusion and trafficking. <i>Cell and Bioscience</i> , 2013, 3, 24.	4.8	33
64	Ube2g2-gp78-mediated HERP polyubiquitination is involved in ER stress recovery. <i>Journal of Cell Science</i> , 2014, 127, 1417-27.	2.0	32
65	The p97 ATPase Dislocates MHC Class I Heavy Chain in US2-expressing Cells via a Ufd1-Npl4-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 32352-32359.	3.4	27
66	Role of intramembrane charged residues in the quality control of unassembled T-cell receptor $\epsilon$ -chains at the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2010, 123, 1031-1038.	2.0	25
67	Regulation of protein homeostasis by unconventional protein secretion in mammalian cells. <i>Seminars in Cell and Developmental Biology</i> , 2018, 83, 29-35.	5.0	25
68	The Roles of Endo-Lysosomes in Unconventional Protein Secretion. <i>Cells</i> , 2018, 7, 198.	4.1	25
69	Importin $\beta$ 2 Interacts with the Endoplasmic Reticulum-associated Degradation Machinery and Promotes Ubiquitination and Degradation of Mutant $\alpha$ 1-Antitrypsin. <i>Journal of Biological Chemistry</i> , 2011, 286, 33921-33930.	3.4	24
70	Secretion of misfolded cytosolic proteins from mammalian cells is independent of chaperone-mediated autophagy. <i>Journal of Biological Chemistry</i> , 2018, 293, 14359-14370.	3.4	23
71	The Final Moments of Misfolded Proteins en Route to the Proteasome. <i>DNA and Cell Biology</i> , 2014, 33, 477-483.	1.9	22
72	The role of the ubiquitin $\epsilon$ -proteasome system in ER quality control. <i>Essays in Biochemistry</i> , 2005, 41, 99.	4.7	22

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73	Proteolysis and developmental signal transduction. <i>Seminars in Cell and Developmental Biology</i> , 2000, 11, 211-221.	5.0	21
74	Lunapark Is a Component of a Ubiquitin Ligase Complex Localized to the Endoplasmic Reticulum Three-way Junctions. <i>Journal of Biological Chemistry</i> , 2016, 291, 18252-18262.	3.4	19
75	Abnormal triaging of misfolded proteins by adult neuronal ceroid lipofuscinosis-associated DNAJC5/CSPI± mutants causes lipofuscin accumulation. <i>Autophagy</i> , 2023, 19, 204-223.	9.1	19
76	Structural basis for regulation of the nucleo-cytoplasmic distribution of Bag6 by TRC35. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11679-11684.	7.1	18
77	Discovery of Irreversible p97 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2814-2829.	6.4	15
78	Proteomic characterization of endogenous substrates of mammalian ubiquitin ligase Hrd1. <i>Cell and Bioscience</i> , 2018, 8, 46.	4.8	14
79	A role for presenilin in post-stress regulation: effects of presenilin mutations on Ca <sup>2+</sup> currents in <i>Drosophila</i> . <i>FASEB Journal</i> , 2007, 21, 2368-2378.	0.5	13
80	Structural basis for nucleotide-modulated p97 association with the ER membrane. <i>Cell Discovery</i> , 2017, 3, 17045.	6.7	13
81	Astrocytes in Neurodegenerative Diseases: A Perspective from Tauopathy and $\alpha$ -Synucleinopathy. <i>Life</i> , 2021, 11, 938.	2.4	13
82	The role of the ubiquitin-proteasome system in ER quality control. <i>Essays in Biochemistry</i> , 2005, 41, 99-112.	4.7	12
83	Clearing Traffic Jams During Protein Translocation Across Membranes. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 610689.	3.7	10
84	The Vpu-interacting Protein SGTA Regulates Expression of a Non-glycosylated Tetherin Species. <i>Scientific Reports</i> , 2016, 6, 24934.	3.3	9
85	Eeyarestatin I derivatives with improved aqueous solubility. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5177-5181.	2.2	9
86	Mitoxantrone modulates a heparan sulfate-spike complex to inhibit SARS-CoV-2 infection. <i>Scientific Reports</i> , 2022, 12, 6294.	3.3	8
87	Revoking the Cellular License to Replicate: Yet Another AAA Assignment. <i>Molecular Cell</i> , 2011, 44, 3-4.	9.7	7
88	Nonenzymatic acetylation of ubiquitin Lys side chains is modulated by their neighboring residues. <i>FEBS Journal</i> , 2018, 285, 1277-1289.	4.7	7
89	Doa1 is a MAD adaptor for Cdc48. <i>Journal of Cell Biology</i> , 2016, 213, 7-9.	5.2	6
90	In Search of a Cure for Proteostasis-Addicted Cancer: A AAA Target Revealed. <i>Cancer Cell</i> , 2015, 28, 550-552.	16.8	4

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91	Chaperoning transmembrane helices in the lipid bilayer. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	3
92	Safeguarding Lysosomal Homeostasis by DNAJC5/CSP $\alpha$ -Mediated Unconventional Protein Secretion and Endosomal Microautophagy. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, .	3.7	3
93	Studying Unconventional Secretion of Misfolded Proteins in Cultured Cells and Primary Neurons. <i>Methods in Molecular Biology</i> , 2022, , 349-366.	0.9	3
94	To Build by Destruction. <i>Molecular Cell</i> , 2018, 72, 605-607.	9.7	1
95	Graph Convolutional Network-Based Screening Strategy for Rapid Identification of SARS-CoV-2 Cell-Entry Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1988-1997.	5.4	1
96	Ever HRD a ubiquitin-gated channel?. <i>Cell Research</i> , 2016, 26, 1075-1076.	12.0	0
97	A spiral path to unfolding. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 763-765.	8.2	0