

Maurizio Molinari

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6049993/maurizio-molinari-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

12,710
citations

47
h-index

112
g-index

154
ext. papers

14,114
ext. citations

9.7
avg, IF

6.38
L-index

#	Paper	IF	Citations
97	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
96	Setting the standards: quality control in the secretory pathway. <i>Science</i> , 1999 , 286, 1882-8	33.3	1073
95	In and out of the ER: protein folding, quality control, degradation, and related human diseases. <i>Physiological Reviews</i> , 2007 , 87, 1377-408	47.9	491
94	Role of EDEM in the release of misfolded glycoproteins from the calnexin cycle. <i>Science</i> , 2003 , 299, 1397-1400	33.3	391
93	N-glycan structures: recognition and processing in the ER. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 74-82	10.3	356
92	Calpain: a protease in search of a function?. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 247, 193-203	3.4	333
91	Chaperone selection during glycoprotein translocation into the endoplasmic reticulum. <i>Science</i> , 2000 , 288, 331-3	33.3	295
90	Coronaviruses Hijack the LC3-I-positive EDEMosomes, ER-derived vesicles exporting short-lived ERAD regulators, for replication. <i>Cell Host and Microbe</i> , 2010 , 7, 500-8	23.4	278
89	Glycoproteins form mixed disulphides with oxidoreductases during folding in living cells. <i>Nature</i> , 1999 , 402, 90-3	50.4	270
88	Selective inhibition of li-dependent antigen presentation by Helicobacter pylori toxin VacA. <i>Journal of Experimental Medicine</i> , 1998 , 187, 135-40	16.6	246
87	N-glycan structure dictates extension of protein folding or onset of disposal. <i>Nature Chemical Biology</i> , 2007 , 3, 313-20	11.7	232
86	N-glycan processing in ER quality control. <i>Journal of Cell Science</i> , 2006 , 119, 4373-80	5.3	232
85	Translocon component Sec62 acts in endoplasmic reticulum turnover during stress recovery. <i>Nature Cell Biology</i> , 2016 , 18, 1173-1184	23.4	223
84	The glycan code of the endoplasmic reticulum: asparagine-linked carbohydrates as protein maturation and quality-control tags. <i>Trends in Cell Biology</i> , 2005 , 15, 364-70	18.3	210
83	Sequential assistance of molecular chaperones and transient formation of covalent complexes during protein degradation from the ER. <i>Journal of Cell Biology</i> , 2002 , 158, 247-57	7.3	186
82	Contrasting functions of calreticulin and calnexin in glycoprotein folding and ER quality control. <i>Molecular Cell</i> , 2004 , 13, 125-35	17.6	177
81	N-linked sugar-regulated protein folding and quality control in the ER. <i>Seminars in Cell and Developmental Biology</i> , 2015 , 41, 79-89	7.5	156

80	Vacuoles induced by <i>Helicobacter pylori</i> toxin contain both late endosomal and lysosomal markers. <i>Journal of Biological Chemistry</i> , 1997 , 272, 25339-44	5.4	153
79	Proteolysis by calpains: a possible contribution to degradation of p53. <i>Molecular and Cellular Biology</i> , 1997 , 17, 2806-15	4.8	152
78	Stringent requirement for HRD1, SEL1L, and OS-9/XTP3-B for disposal of ERAD-LS substrates. <i>Journal of Cell Biology</i> , 2010 , 188, 223-35	7.3	148
77	The <i>Helicobacter pylori</i> neutrophil-activating protein is an iron-binding protein with dodecameric structure. <i>Molecular Microbiology</i> , 1999 , 34, 238-46	4.1	143
76	EDEM1 regulates ER-associated degradation by accelerating de-mannosylation of folding-defective polypeptides and by inhibiting their covalent aggregation. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 349, 1278-84	3.4	134
75	Calpain: a cytosolic proteinase active at the membranes. <i>Journal of Membrane Biology</i> , 1997 , 156, 1-8	2.3	133
74	A novel stress-induced EDEM variant regulating endoplasmic reticulum-associated glycoprotein degradation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 2424-8	5.4	126
73	Early postnatal death and motor disorders in mice congenitally deficient in calnexin expression. <i>Molecular and Cellular Biology</i> , 2002 , 22, 7398-404	4.8	114
72	Segregation and rapid turnover of EDEM1 by an autophagy-like mechanism modulates standard ERAD and folding activities. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 371, 405-10	3.4	104
71	ERAD and ERAD tuning: disposal of cargo and of ERAD regulators from the mammalian ER. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 176-83	9	103
70	N-linked glycan recognition and processing: the molecular basis of endoplasmic reticulum quality control. <i>Current Opinion in Structural Biology</i> , 2006 , 16, 592-9	8.1	101
69	Glycoprotein folding and the role of EDEM1, EDEM2 and EDEM3 in degradation of folding-defective glycoproteins. <i>FEBS Letters</i> , 2007 , 581, 3658-64	3.8	101
68	A selective ER-phagy exerts procollagen quality control via a Calnexin-FAM134B complex. <i>EMBO Journal</i> , 2019 , 38,	13	97
67	ERAD substrates: which way out?. <i>Seminars in Cell and Developmental Biology</i> , 2010 , 21, 526-32	7.5	96
66	A dual task for the Xbp1-responsive OS-9 variants in the mammalian endoplasmic reticulum: inhibiting secretion of misfolded protein conformers and enhancing their disposal. <i>Journal of Biological Chemistry</i> , 2008 , 283, 16446-54	5.4	96
65	Persistent glycoprotein misfolding activates the glucosidase II/UGT1-driven calnexin cycle to delay aggregation and loss of folding competence. <i>Molecular Cell</i> , 2005 , 20, 503-12	17.6	96
64	Consequences of ERp57 deletion on oxidative folding of obligate and facultative clients of the calnexin cycle. <i>Journal of Biological Chemistry</i> , 2006 , 281, 6219-26	5.4	94
63	beta-site specific intrabodies to decrease and prevent generation of Alzheimer's Abeta peptide. <i>Journal of Cell Biology</i> , 2005 , 168, 863-8	7.3	92

62	Degradation of trafficking-defective long QT syndrome type II mutant channels by the ubiquitin-proteasome pathway. <i>Journal of Biological Chemistry</i> , 2005 , 280, 19419-25	5.4	85
61	ER-to-lysosome-associated degradation of proteasome-resistant ATZ polymers occurs via receptor-mediated vesicular transport. <i>EMBO Journal</i> , 2018 , 37,	13	81
60	The acid activation of Helicobacter pylori toxin VacA: structural and membrane binding studies. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 248, 334-40	3.4	78
59	Ca(2+)-activated neutral protease is active in the erythrocyte membrane in its nonautolyzed 80-kDa form.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27992-27995	5.4	72
58	Flagging and docking: dual roles for N-glycans in protein quality control and cellular proteostasis. <i>Trends in Biochemical Sciences</i> , 2012 , 37, 404-10	10.3	68
57	Substrate-specific requirements for UGT1-dependent release from calnexin. <i>Molecular Cell</i> , 2007 , 27, 238-249	17.6	68
56	Ca(2+)-activated neutral protease is active in the erythrocyte membrane in its nonautolyzed 80-kDa form. <i>Journal of Biological Chemistry</i> , 1994 , 269, 27992-5	5.4	65
55	Malectin participates in a backup glycoprotein quality control pathway in the mammalian ER. <i>PLoS ONE</i> , 2011 , 6, e16304	3.7	60
54	Proteasomal and lysosomal clearance of faulty secretory proteins: ER-associated degradation (ERAD) and ER-to-lysosome-associated degradation (ERLAD) pathways. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019 , 54, 153-163	8.7	57
53	PEST sequences do not influence substrate susceptibility to calpain proteolysis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2032-5	5.4	52
52	ESCRT-III-driven piecemeal micro-ER-phagy remodels the ER during recovery from ER stress. <i>Nature Communications</i> , 2019 , 10, 5058	17.4	47
51	Specificity and regulation of the endoplasmic reticulum-associated degradation machinery. <i>Traffic</i> , 2013 , 14, 767-77	5.7	47
50	The use of calnexin and calreticulin by cellular and viral glycoproteins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 28265-71	5.4	47
49	The Protein-disulfide Isomerase ERp57 Regulates the Steady-state Levels of the Prion Protein. <i>Journal of Biological Chemistry</i> , 2015 , 290, 23631-45	5.4	42
48	Role of the SEL1L:LC3-I complex as an ERAD tuning receptor in the mammalian ER. <i>Molecular Cell</i> , 2012 , 46, 809-19	17.6	39
47	Endoplasmic reticulum turnover: ER-phagy and other flavors in selective and non-selective ER clearance. <i>F1000Research</i> , 2018 , 7, 454	3.6	39
46	Cyclosporine A-sensitive, cyclophilin B-dependent endoplasmic reticulum-associated degradation. <i>PLoS ONE</i> , 2010 , 5, e13008	3.7	39
45	EDEM contributes to maintenance of protein folding efficiency and secretory capacity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44600-5	5.4	36

44	Chemical stresses fail to mimic the unfolded protein response resulting from luminal load with unfolded polypeptides. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5600-5612	5.4	34
43	UDP-glucose:glycoprotein glucosyltransferase (UGGT1) promotes substrate solubility in the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2013 , 24, 2597-608	3.5	31
42	How viruses hijack the ERAD tuning machinery. <i>Journal of Virology</i> , 2014 , 88, 10272-5	6.6	30
41	Purification of mu-calpain by a novel affinity chromatography approach. New insights into the mechanism of the interaction of the protease with targets. <i>Journal of Biological Chemistry</i> , 1995 , 270, 14576-81	5.4	30
40	Eat it right: ER-phagy and recovER-phagy. <i>Biochemical Society Transactions</i> , 2018 , 46, 699-706	5.1	29
39	The secretory capacity of a cell depends on the efficiency of endoplasmic reticulum-associated degradation. <i>Current Topics in Microbiology and Immunology</i> , 2005 , 300, 1-15	3.3	28
38	Five Questions (with their Answers) on ER-Associated Degradation. <i>Traffic</i> , 2016 , 17, 341-50	5.7	27
37	The disulphide bonds in the catalytic domain of BACE are critical but not essential for amyloid precursor protein processing activity. <i>Journal of Neurochemistry</i> , 2002 , 80, 1079-88	6	26
36	Autophagy-independent LC3 function in vesicular traffic. <i>Autophagy</i> , 2010 , 6, 994-6	10.2	23
35	Purification of active calpain by affinity chromatography on an immobilized peptide inhibitor. <i>FEBS Journal</i> , 1996 , 241, 948-54		22
34	ER-phagy responses in yeast, plants, and mammalian cells and their crosstalk with UPR and ERAD. <i>Developmental Cell</i> , 2021 , 56, 949-966	10.2	22
33	Autoadaptive ER-associated degradation defines a preemptive unfolded protein response pathway. <i>Molecular Cell</i> , 2013 , 52, 783-93	17.6	20
32	Consequences of individual N-glycan deletions and of proteasomal inhibition on secretion of active BACE. <i>Molecular Biology of the Cell</i> , 2008 , 19, 4086-98	3.5	20
31	Three branches to rule them all? UPR signalling in response to chemically versus misfolded proteins-induced ER stress. <i>Biology of the Cell</i> , 2018 , 110, 197-204	3.5	18
30	Unconventional use of LC3 by coronaviruses through the alleged subversion of the ERAD tuning pathway. <i>Viruses</i> , 2011 , 3, 1610-23	6.2	18
29	Identification of signal peptide features for substrate specificity in human Sec62/Sec63-dependent ER protein import. <i>FEBS Journal</i> , 2020 , 287, 4612-4640	5.7	17
28	Role of SEC62 in ER maintenance: A link with ER stress tolerance in SEC62-overexpressing tumors?. <i>Molecular and Cellular Oncology</i> , 2017 , 4, e1264351	1.2	16
27	Division of labor among oxidoreductases: TMX1 preferentially acts on transmembrane polypeptides. <i>Molecular Biology of the Cell</i> , 2015 , 26, 3390-400	3.5	16

26	The endoplasmic reticulum crossroads for newly synthesized polypeptide chains. <i>Progress in Molecular Biology and Translational Science</i> , 2008 , 83, 135-79	4	16
25	Unconventional roles of nonlipidated LC3 in ERAD tuning and coronavirus infection. <i>Autophagy</i> , 2012 , 8, 1534-6	10.2	15
24	Analyzing cotranslational protein folding and disulfide formation by diagonal sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Methods in Enzymology</i> , 2002 , 348, 35-42	1.7	15
23	Action site and cellular effects of cytotoxin VacA produced by <i>Helicobacter pylori</i> . <i>Folia Microbiologica</i> , 1998 , 43, 279-84	2.8	14
22	Mechanistic insights in recov-ER-phagy: micro-ER-phagy to recover from stress. <i>Autophagy</i> , 2020 , 16, 385-386	10.2	12
21	A novel UGGT1 and p97-dependent checkpoint for native ectodomains with ionizable intramembrane residue. <i>Molecular Biology of the Cell</i> , 2015 , 26, 1532-42	3.5	12
20	Schwann cells ER-associated degradation contributes to myelin maintenance in adult nerves and limits demyelination in CMT1B mice. <i>PLoS Genetics</i> , 2019 , 15, e1008069	6	11
19	Deep learning approach for quantification of organelles and misfolded polypeptide delivery within degradative compartments. <i>Molecular Biology of the Cell</i> , 2020 , 31, 1512-1524	3.5	11
18	Proteostasis: bad news and good news from the endoplasmic reticulum. <i>Swiss Medical Weekly</i> , 2014 , 144, w14001	3.1	11
17	ER-phagy: Eating the Factory. <i>Molecular Cell</i> , 2020 , 78, 811-813	17.6	6
16	Chronic delivery of antibody fragments using immunisolated cell implants as a passive vaccination tool. <i>PLoS ONE</i> , 2011 , 6, e18268	3.7	6
15	N-glycan processing selects ERAD-resistant misfolded proteins for ER-to-lysosome-associated degradation. <i>EMBO Journal</i> , 2021 , 40, e107240	13	6
14	The reductase TMX1 contributes to ERAD by preferentially acting on membrane-associated folding-defective polypeptides. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 938-943	3.4	6
13	Transgenic expression of β antibody in brain neurons impairs age-dependent amyloid deposition in APP23 mice. <i>Neurobiology of Aging</i> , 2013 , 34, 2866-78	5.6	4
12	Analyzing folding and degradation of metabolically labelled polypeptides by conventional and diagonal sodium dodecyl sulfate-polyacrylamide gel electrophoresis. <i>Biological Procedures Online</i> , 2005 , 7, 136-43	8.3	4
11	Quality control mechanisms of protein biogenesis: proteostasis dies hard. <i>AIMS Biophysics</i> , 2016 , 3, 456-478	4.78	4
10	Protein trafficking: RESETting proteostasis. <i>Nature Chemical Biology</i> , 2014 , 10, 881-2	11.7	3
9	Folding of viral glycoproteins in the endoplasmic reticulum. <i>Virus Research</i> , 2002 , 82, 83-6	6.4	3

8	Quantitative and Time-Resolved Monitoring of Organelle and Protein Delivery to the Lysosome with A Tandem Fluorescent Halo-GFP reporter.. <i>Molecular Biology of the Cell</i> , 2022 , mbcE21100526	3-5	3
7	Thioredoxin-Related Transmembrane Proteins: TMX1 and Little Brothers TMX2, TMX3, TMX4 and TMX5. <i>Cells</i> , 2020 , 9,	7-9	2
6	Non-Lipidated LC3 is Essential for Mouse Hepatitis Virus Infection 2014 , 129-136		1
5	Endoplasmic Reticulum (ER) and ER-Phagy. <i>Progress in Molecular and Subcellular Biology</i> , 2021 , 59, 99-114		1
4	Endoplasmic Reticulum-Associated Protein Degradation 2013 , 200-203		
3	Endoplasmic Reticulum-Associated Protein Degradation 2004 , 20-23		
2	Protein Turnover Endoplasmic Reticulum-Associated Protein Degradation 2021 , 225-228		
1	Tandem fluorescent Halo-GFP reporter for quantitative and time-resolved monitoring of organelle and protein delivery to lysosomes 2022 , 1, 187-191		