Ineke Braakman

List of Publications by Year
in descending order

79 papers	6,967 citations	81900 39 h-index	76900 74 g-index
87 all docs	87 docs citations	87 times ranked	8103 citing authors

#	Article	IF	Citations
1	Quality control in the endoplasmic reticulum protein factory. Nature, 2003, 426, 891-894.	27.8	625
2	Protein Folding and Modification in the Mammalian Endoplasmic Reticulum. Annual Review of Biochemistry, 2011, 80, 71-99.	11.1	563
3	Contribution of the Endoplasmic Reticulum to Peroxisome Formation. Cell, 2005, 122, 85-95.	28.9	416
4	Protein folding and quality control in the endoplasmic reticulum. Current Opinion in Cell Biology, 2004, 16, 343-349.	5.4	393
5	Protein Folding in the Endoplasmic Reticulum. Cold Spring Harbor Perspectives in Biology, 2013, 5, a013201-a013201.	5.5	392
6	Sequential Waves of Functionally Related Proteins Are Expressed When B Cells Prepare for Antibody Secretion. Immunity, 2003, 18, 243-253.	14.3	341
7	The endoplasmic reticulum as a protein-folding compartment. Trends in Cell Biology, 1992, 2, 227-231.	7.9	306
8	Role of ATP and disulphide bonds during protein folding in the endoplasmic reticulum. Nature, 1992, 356, 260-262.	27.8	303
9	Quality Control in the Secretory Pathway: The Role of Calreticulin, Calnexin and BiP in the Retention of Glycoproteins with C-Terminal Truncations. Molecular Biology of the Cell, 1997, 8, 1943-1954.	2.1	187
10	Biochemically Distinct Vesicles from the Endoplasmic Reticulum Fuse to Form Peroxisomes. Cell, 2012, 149, 397-409.	28.9	183
11	Versatility of the Endoplasmic Reticulum Protein Folding Factory. Critical Reviews in Biochemistry and Molecular Biology, 2005, 40, 191-228.	5.2	173
12	Coordinated Nonvectorial Folding in a Newly Synthesized Multidomain Protein. Science, 2002, 298, 2401-2403.	12.6	155
13	Folding of CFTR Is Predominantly Cotranslational. Molecular Cell, 2005, 20, 277-287.	9.7	155
14	Peroxisomal Membrane Proteins Insert into the Endoplasmic Reticulum. Molecular Biology of the Cell, 2010, 21, 2057-2065.	2.1	154
15	Alteration of protein function by a silent polymorphism linked to tRNA abundance. PLoS Biology, 2017, 15, e2000779.	5.6	118
16	Protein quality control at the endoplasmic reticulum. Essays in Biochemistry, 2016, 60, 227-235.	4.7	117
17	ERdj5 Is the ER Reductase that Catalyzes the Removal of Non-Native Disulfides and Correct Folding of the LDL Receptor. Molecular Cell, 2013, 50, 793-804.	9.7	116
18	Two phases of disulfide bond formation have differing requirements for oxygen. Journal of Cell Biology, 2013, 203, 615-627.	5.2	113

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19	Coâ€•and Postâ€Translational Protein Folding in the <scp>ER</scp>. Traffic, 2016, 17, 615-638.	2.7	110
20	Folding of HIVâ€1 Envelope glycoprotein involves extensive isomerization of disulfide bonds and conformationâ€dependent leader peptide cleavage. FASEB Journal, 2003, 17, 1058-1067.	0.5	98
21	Peroxisomes Start Their Life in the Endoplasmic Reticulum. Traffic, 2003, 4, 512-518.	2.7	89
22	Peroxisome Formation and Maintenance Are Dependent on the Endoplasmic Reticulum. Annual Review of Biochemistry, 2013, 82, 723-744.	11.1	87
23	The Cytosolic DnaJ-like Protein Djp1p Is Involved Specifically in Peroxisomal Protein Import. Journal of Cell Biology, 1998, 142, 421-434.	5.2	86
24	Oxidation of ER Resident Proteins Upon Oxidative Stress: Effects of Altering Cellular Redox/Antioxidant Status and Implications for Protein Maturation. Antioxidants and Redox Signaling, 2003, 5, 381-387.	5.4	85
25	Folding of the human immunodeficiency virus type 1 envelope glycoprotein in the endoplasmic reticulum. Biochimie, 2001, 83, 783-790.	2.6	80
26	Expression Clustering Reveals Detailed Co-expression Patterns of Functionally Related Proteins during B Cell Differentiation. Molecular and Cellular Proteomics, 2005, 4, 1297-1310.	3.8	78
27	Folding of Viral Envelope Glycoproteins in the Endoplasmic Reticulum. Traffic, 2000, 1, 533-539.	2.7	77
28	The Primary Folding Defect and Rescue of Î”F508 CFTR Emerge during Translation of the Mutant Domain. PLoS ONE, 2010, 5, e15458.	2.5	76
29	Efficient IgM assembly and secretion require the plasma cell induced endoplasmic reticulum protein pERp1. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17019-17024.	7.1	74
30	Peroxisomes: simple in function but complex in maintenance. Trends in Cell Biology, 1999, 9, 447-453.	7.9	72
31	Endoplasmic Reticulum Stress and the Making of a Professional Secretory Cell. Critical Reviews in Biochemistry and Molecular Biology, 2005, 40, 269-283.	5.2	60
32	Ero1â€“PDI interactions, the response to redox flux and the implications for disulfide bond formation in the mammalian endoplasmic reticulum. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20110403.	4.0	59
33	A Common Polymorphism Renders the Luteinizing Hormone Receptor Protein More Active by Improving Signal Peptide Function and Predicts Adverse Outcome in Breast Cancer Patients. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 1470-1476.	3.6	54
34	Peroxisomes: minted by the ER. Current Opinion in Cell Biology, 2008, 20, 393-400.	5.4	54
35	Correcting CFTR folding defects by small-molecule correctors to cure cystic fibrosis. Current Opinion in Pharmacology, 2017, 34, 83-90.	3.5	54
36	<scp>The importance of naturally attenuated SARSâ€CoV</scp>â€2<scp>in the fight against COVID</scp>â€19. Environmental Microbiology, 2020, 22, 1997-2000.	3.8	54

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37	Protein folding includes oligomerization â€“ examples from the endoplasmic reticulum and cytosol. FEBS Journal, 2008, 275, 4700-4727.	4.7	51
38	Only Five of 10 Strictly Conserved Disulfide Bonds Are Essential for Folding and Eight for Function of the HIV-1 Envelope Glycoprotein. Molecular Biology of the Cell, 2008, 19, 4298-4309.	2.1	44
39	Optimization of Human Immunodeficiency Virus Type 1 Envelope Glycoproteins with V1/V2 Deleted, Using Virus Evolution. Journal of Virology, 2009, 83, 368-383.	3.4	43
40	The carbohydrate at asparagine 386 on HIV-1 gp120 is not essential for protein folding and function but is involved in immune evasion. Retrovirology, 2008, 5, 10.	2.0	42
41	Structure and topology around the cleavage site regulate post-translational cleavage of the HIV-1 gp160 signal peptide. ELife, 2017, 6, .	6.0	41
42	Slowing ribosome velocity restores folding and function of mutant CFTR. Journal of Clinical Investigation, 2019, 129, 5236-5253.	8.2	36
43	Regulated increase in folding capacity prevents unfolded protein stress in the ER. Journal of Cell Science, 2010, 123, 787-794.	2.0	34
44	TORC2 mediates the heat stress response in Drosophila by promoting the formation of stress granules. Journal of Cell Science, 2015, 128, 2497-508.	2.0	32
45	Expression of the Receptor Tyrosine Kinase Ret on the Plasma Membrane Is Dependent on Calcium. Journal of Biological Chemistry, 1998, 273, 12077-12081.	3.4	31
46	The return of the peroxisome. Journal of Cell Science, 2006, 119, 989-994.	2.0	31
47	Co-Translational Folding of the First Transmembrane Domain of ABC-Transporter CFTR is Supported by Assembly with the First Cytosolic Domain. Journal of Molecular Biology, 2021, 433, 166955.	4.2	31
48	Foldingâ€“function relationship of the most common cystic fibrosisâ€“causing CFTR conductance mutants. Life Science Alliance, 2019, 2, e201800172.	2.8	29
49	Calcium as a Crucial Cofactor for Low Density Lipoprotein Receptor Folding in the Endoplasmic Reticulum. Journal of Biological Chemistry, 2010, 285, 8656-8664.	3.4	28
50	Acinar redistribution and heterogeneity in transport of the organic cation rhodamine B in rat liver. Hepatology, 1987, 7, 849-855.	7.3	26
51	Heterogeneous acinar localization of the asialoglycoprotein internalization system in rat hepatocytes. Hepatology, 1988, 8, 1521-1529.	7.3	26
52	A novel lectin in the secretory pathway. EMBO Reports, 2001, 2, 666-668.	4.5	26
53	Versatile members of the DNAJ family show Hsp70 dependent anti-aggregation activity on RING1 mutant parkin C289G. Scientific Reports, 2016, 6, 34830.	3.3	26
54	The CFTR P67L variant reveals a key role for N-terminal lasso helices in channel folding, maturation, and pharmacologic rescue. Journal of Biological Chemistry, 2021, 296, 100598.	3.4	26

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55	Deletion of the Highly Conserved N-Glycan at Asn260 of HIV-1 gp120 Affects Folding and Lysosomal Degradation of gp120, and Results in Loss of Viral Infectivity. PLoS ONE, 2014, 9, e101181.	2.5	26
56	HIV-1 Evolves into a Nonsyncytium-Inducing Virus upon Prolonged Culture in Vitro. Virology, 1999, 263, 55-69.	2.4	20
57	Analysis of Disulfide Bond Formation. Current Protocols in Protein Science, 2017, 90, 14.1.1-14.1.21.	2.8	19
58	Pulse-Chase Labeling Techniques for the Analysis of Protein Maturation and Degradation. , 2003, 232, 133-146.		16
59	Separation of periportal and perivenous rat hepatocytes by fluorescence-activated cell sorting: Confirmation with colloidal gold as an exogenous marker. Hepatology, 1991, 13, 73-82.	7.3	15
60	A critical step in the folding of influenza virus HA determined with a novel folding assay. Nature Structural and Molecular Biology, 2005, 12, 258-263.	8.2	13
61	Characterization of CNPY5 and its family members. Protein Science, 2019, 28, 1276-1289.	7.6	13
62	Evolution Rescues Folding of Human Immunodeficiency Virus-1 Envelope Glycoprotein GP120 Lacking a Conserved Disulfide Bond. Molecular Biology of the Cell, 2008, 19, 4707-4716.	2.1	12
63	Mutational and functional analysis of N-linked glycosylation of envelope fusion protein F of Helicoverpa armigera nucleopolyhedrovirus. Journal of General Virology, 2016, 97, 988-999.	2.9	9
64	Analysis of Protein Folding, Transport, and Degradation in Living Cells by Radioactive Pulse Chase. Journal of Visualized Experiments, 2019, , .	0.3	7
65	Clinical and molecular characterization of the R751L-CFTR mutation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L288-L300.	2.9	7
66	Intramolecular quality control: HIV-1 envelope gp160 signal-peptide cleavage as a functional folding checkpoint. Cell Reports, 2021, 36, 109646.	6.4	7
67	Quantifying Changes in the Cellular Thiol-Disulfide Status during Differentiation of B Cells into Antibody-Secreting Plasma Cells. International Journal of Cell Biology, 2013, 2013, 1-9.	2.5	6
68	Analysis of Disulfide Bond Formation. Current Protocols in Protein Science, 1996, 3, Unit14.1.	2.8	5
69	Cystic fibrosis research topics featured at the 14th ECFS Basic Science Conference: Chairman's summary. Journal of Cystic Fibrosis, 2018, 17, S1-S4.	0.7	5
70	Cargo Load Reduction. Science, 2008, 321, 499-500.	12.6	4
71	A Sweet Send-Off. Science, 2013, 340, 930-931.	12.6	4
72	Protein Folding in the Endoplasmic Reticulum. , 1993, , 125-136.		4

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73	Entering a new era with Ero. Nature Reviews Molecular Cell Biology, 2009, 10, 503-503.	37.0	2
74	Transactions at the Peroxisomal Membrane. , 2000, 34, 303-322.		1
75	Chaperone proteins and peroxisomal protein import. Topics in Current Genetics, 2005, , 149-183.	0.7	1
76	Folding of influenza virus hemagglutinin in insect cells is fast and efficient. Journal of Biotechnology, 2015, 203, 77-83.	3.8	1
77	Protein folding and assembly in the endoplasmic reticulum. Fresenius' Journal of Analytical Chemistry, 1992, 343, 10-11.	1.5	0
78	Bypass of Quality Control in Protein Folding Pathways Induces Specific Misfolding of HIV Envelope V2 Loop: Implications for Iminosugars as Antivirals. AIDS Research and Human Retroviruses, 2014, 30, A49-A49.	1.1	0
79	Quality control in the ER of differentiating B cells. , 0, 2007, .		0