William E Balch

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116 13,793 117 53 h-index g-index citations papers 14.6 6.3 15,250 125 avg, IF L-index ext. citations ext. papers

#	Paper	IF	Citations
116	Adapting proteostasis for disease intervention. <i>Science</i> , 2008 , 319, 916-9	33.3	1715
115	Biological and chemical approaches to diseases of proteostasis deficiency. <i>Annual Review of Biochemistry</i> , 2009 , 78, 959-91	29.1	854
114	Functional amyloidfrom bacteria to humans. <i>Trends in Biochemical Sciences</i> , 2007 , 32, 217-24	10.3	808
113	Hsp90 cochaperone Aha1 downregulation rescues misfolding of CFTR in cystic fibrosis. <i>Cell</i> , 2006 , 127, 803-15	56.2	498
112	Monocyte-derived alveolar macrophages drive lung fibrosis and persist in the lung over the life span. <i>Journal of Experimental Medicine</i> , 2017 , 214, 2387-2404	16.6	434
111	A di-acidic signal required for selective export from the endoplasmic reticulum. <i>Science</i> , 1997 , 277, 556	5-833.3	419
110	Rab1 recruitment of p115 into a cis-SNARE complex: programming budding COPII vesicles for fusion. <i>Science</i> , 2000 , 289, 444-8	33.3	399
109	The biological and chemical basis for tissue-selective amyloid disease. <i>Cell</i> , 2005 , 121, 73-85	56.2	366
108	Vesicular stomatitis virus glycoprotein is sorted and concentrated during export from the endoplasmic reticulum. <i>Cell</i> , 1994 , 76, 841-52	56.2	350
107	Chemical and biological approaches synergize to ameliorate protein-folding diseases. <i>Cell</i> , 2008 , 134, 769-81	56.2	290
106	From CFTR biology toward combinatorial pharmacotherapy: expanded classification of cystic fibrosis mutations. <i>Molecular Biology of the Cell</i> , 2016 , 27, 424-33	3.5	289
105	Characterization of protein transport between successive compartments of the Golgi apparatus: asymmetric properties of donor and acceptor activities in a cell-free system. <i>Archives of Biochemistry and Biophysics</i> , 1985 , 240, 413-25	4.1	283
104	Mutations in GDI1 are responsible for X-linked non-specific mental retardation. <i>Nature Genetics</i> , 1998 , 19, 134-9	36.3	277
103	Vesicular transport between the endoplasmic reticulum and the Golgi stack requires the NEM-sensitive fusion protein. <i>Nature</i> , 1989 , 339, 397-8	50.4	270
102	Molecular basis for Rab prenylation. <i>Journal of Cell Biology</i> , 2000 , 150, 89-103	7.3	2 60
101	Structure of the Sec13/31 COPII coat cage. <i>Nature</i> , 2006 , 439, 234-8	50.4	251
100	Cargo selection by the COPII budding machinery during export from the ER. <i>Journal of Cell Biology</i> , 1998 , 141, 61-70	7.3	249

[1996-1997]

Membrane dynamics at the endoplasmic reticulum-Golgi interface. <i>Journal of Cell Biology</i> , 1997 , 138, 1-4	7.3	222	
The Sar1 GTPase coordinates biosynthetic cargo selection with endoplasmic reticulum export site assembly. <i>Journal of Cell Biology</i> , 2001 , 152, 213-29	7-3	210	
Structural basis for cargo regulation of COPII coat assembly. <i>Cell</i> , 2008 , 134, 474-84	56.2	209	
Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. <i>Nature Chemical Biology</i> , 2010 , 6, 25-33	11.7	204	
Domain interdependence in the biosynthetic assembly of CFTR. <i>Journal of Molecular Biology</i> , 2007 , 365, 981-94	6.5	175	
The COPII cage: unifying principles of vesicle coat assembly. <i>Nature Reviews Molecular Cell Biology</i> , 2006 , 7, 727-38	48.7	174	
COPII-dependent export of cystic fibrosis transmembrane conductance regulator from the ER uses a di-acidic exit code. <i>Journal of Cell Biology</i> , 2004 , 167, 65-74	7.3	174	
Small-molecule proteostasis regulators for protein conformational diseases. <i>Nature Chemical Biology</i> , 2011 , 8, 185-96	11.7	173	
Diversity in the origins of proteostasis networksa driver for protein function in evolution. <i>Nature Reviews Molecular Cell Biology</i> , 2013 , 14, 237-48	48.7	168	
Exocytotic fusion is activated by Rab3a peptides. <i>Nature</i> , 1992 , 360, 270-3	50.4	168	
B 508 CFTR interactome remodelling promotes rescue of cystic fibrosis. <i>Nature</i> , 2015 , 528, 510-6	50.4	163	
Structure and mutational analysis of Rab GDP-dissociation inhibitor. <i>Nature</i> , 1996 , 381, 42-8	50.4	153	
Biological and structural basis for Aha1 regulation of Hsp90 ATPase activity in maintaining proteostasis in the human disease cystic fibrosis. <i>Molecular Biology of the Cell</i> , 2010 , 21, 871-84	3.5	137	
An adaptable standard for protein export from the endoplasmic reticulum. <i>Cell</i> , 2007 , 131, 809-21	56.2	135	
Crystal structure of Sar1-GDP at 1.7 A resolution and the role of the NH2 terminus in ER export. <i>Journal of Cell Biology</i> , 2001 , 155, 937-48	7.3	133	
A di-acidic (DXE) code directs concentration of cargo during export from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1999 , 274, 15937-46	5.4	130	
Blue journal conference. Aging and susceptibility to lung disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 261-9	10.2	123	
and Chicket Care Medicine, 2013, 191, 201 9			١
	The Sar1 GTPase coordinates biosynthetic cargo selection with endoplasmic reticulum export site assembly. <i>Journal of Cell Biology</i> , 2001, 152, 213-29 Structural basis for cargo regulation of COPII coat assembly. <i>Cell</i> , 2008, 134, 474-84 Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. <i>Nature Chemical Biology</i> , 2010, 6, 25-33 Domain interdependence in the biosynthetic assembly of CFTR. <i>Journal of Molecular Biology</i> , 2007, 365, 981-94 The COPII cage: unifying principles of vesicle coat assembly. <i>Nature Reviews Molecular Cell Biology</i> , 2006, 7, 727-38 COPII-dependent export of cystic fibrosis transmembrane conductance regulator from the ER uses a di-acidic exit code. <i>Journal of Cell Biology</i> , 2004, 167, 65-74 Small-molecule proteostasis regulators for protein conformational diseases. <i>Nature Chemical Biology</i> , 2011, 8, 185-96 Diversity in the origins of proteostasis networksa driver for protein function in evolution. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 237-48 Exocytotic fusion is activated by Rab3a peptides. <i>Nature</i> , 1992, 360, 270-3 B508 CFTR interactome remodelling promotes rescue of cystic fibrosis. <i>Nature</i> , 1996, 381, 42-8 Biological and structural basis for Aha1 regulation of Hsp90 ATPase activity in maintaining proteostasis in the human disease cystic fibrosis. <i>Molecular Biology of the Cell</i> , 2010, 21, 871-84 An adaptable standard for protein export from the endoplasmic reticulum. <i>Cell</i> , 2007, 131, 809-21 Crystal structure of Sar1-GDP at 1.7 A resolution and the role of the NH2 terminus in ER export. <i>Journal of Biology</i> , 2001, 155, 937-48 A di-acidic (DXE) code directs concentration of cargo during export from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1999, 274, 15937-46 Blue journal conference. Aging and susceptibility to lung disease. <i>American Journal of Respiratory</i>	The Sart GTPase coordinates biosynthetic cargo selection with endoplasmic reticulum export site assembly. Journal of Cell Biology, 2001, 152, 213-29 Structural basis for cargo regulation of COPII coat assembly. Cell, 2008, 134, 474-84 56.2 Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. Nature Chemical Biology, 2010, 6, 25-33 Domain interdependence in the biosynthetic assembly of CFTR. Journal of Molecular Biology, 2007, 365, 981-94 The COPII cage: unifying principles of vesicle coat assembly. Nature Reviews Molecular Cell Biology, 2006, 7, 727-38 COPII-dependent export of cystic fibrosis transmembrane conductance regulator from the ER uses a di-acidic exit code. Journal of Cell Biology, 2004, 167, 65-74 Small-molecule proteostasis regulators for protein conformational diseases. Nature Chemical Biology, 2011, 8, 185-96 Diversity in the origins of proteostasis networks—a driver for protein function in evolution. Nature Reviews Molecular Cell Biology, 2013, 14, 237-48 Exocytotic fusion is activated by Rab3a peptides. Nature, 1992, 360, 270-3 50-4 B508 CFTR interactome remodelling promotes rescue of cystic fibrosis. Nature, 2015, 528, 510-6 50-4 Structure and mutational analysis of Rab GDP-dissociation inhibitor. Nature, 1996, 381, 42-8 Biological and structural basis for Aha1 regulation of Hsp90 ATPase activity in maintaining proteostasis in the human disease cystic fibrosis. Molecular Biology of the Cell, 2010, 21, 871-84 An adaptable standard for protein export from the endoplasmic reticulum. Cell, 2007, 131, 809-21 65-2 Crystal structure of Sar1-GDP at 1.7 A resolution and the role of the NH2 terminus in ER export. Journal of Cell Biology, 2001, 155, 937-48 Adi-acidic (DXE) code directs concentration of cargo during export from the endoplasmic reticulum. Journal of Respiratory	The Sar1 GTPase coordinates biosynthetic cargo selection with endoplasmic reticulum export site assembly. <i>Journal of Cell Biology</i> , 2001, 152, 213-29 Structural basis for cargo regulation of COPII coat assembly. <i>Cell</i> , 2008, 134, 474-84 56.2 209 Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. Mature Chemical Biology, 2010, 6, 25-33 Domain interdependence in the biosynthetic assembly of CFTR. <i>Journal of Molecular Biology</i> , 2007, 365, 981-94 The COPII cage: unifying principles of vesicle coat assembly. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 7.727-38 COPII-dependent export of cystic fibrosis transmembrane conductance regulator from the ER uses a di-acidic exit code. <i>Journal of Cell Biology</i> , 2004, 167, 65-74 Small-molecule proteostasis regulators for protein conformational diseases. <i>Nature Chemical Biology</i> , 2011, 8, 185-96 Diversity in the origins of proteostasis networks-a driver for protein function in evolution. <i>Nature Reviews Molecular Cell Biology</i> , 2013, 14, 237-48 Exocytotic fusion is activated by Rab3a peptides. <i>Nature</i> , 1992, 360, 270-3 50-4 163 Structure and mutational analysis of Rab GDP-dissociation inhibitor. <i>Nature</i> , 1996, 381, 42-8 50-4 163 Structure and mutational analysis of Rab GDP-dissociation inhibitor. <i>Nature</i> , 1996, 381, 42-8 50-4 153 Biological and structural basis for Aha1 regulation of Hsp90 ATPase activity in maintaining proteostasis in the human disease cystic fibrosis. <i>Molecular Biology of the Cell</i> , 2010, 21, 871-84 An adaptable standard for protein export from the endoplasmic reticulum. <i>Cell</i> , 2007, 131, 809-21 6-5 2135 Crystal structure of Sar1-GDP at 1.7 A resolution and the role of the NH2 terminus in ER export. <i>Journal of Cell Biology</i> , 2001, 155, 937-48 A di-acidic (DXE) code directs concentration of cargo during export from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1999, 274, 15937-46 Blue journal conference. Aging and susceptibility to lung disease. <i>American Journal of</i>

81	Large-scale profiling of Rab GTPase trafficking networks: the membrome. <i>Molecular Biology of the Cell</i> , 2005 , 16, 3847-64	3.5	106
80	An ancient divergence among the bacteria. <i>Journal of Molecular Evolution</i> , 1977 , 9, 305-11	3.1	104
79	Kinase signaling initiates coat complex II (COPII) recruitment and export from the mammalian endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 2000 , 275, 35673-6	5.4	99
78	Rab-alphaGDI activity is regulated by a Hsp90 chaperone complex. <i>EMBO Journal</i> , 2002 , 21, 6125-35	13	95
77	Cargo can modulate COPII vesicle formation from the endoplasmic reticulum. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4389-99	5.4	86
76	Organization of the Rab-GDI/CHM superfamily: the functional basis for choroideremia disease. <i>Traffic</i> , 2001 , 2, 532-43	5.7	85
75	Modeling general proteostasis: proteome balance in health and disease. <i>Current Opinion in Cell Biology</i> , 2011 , 23, 126-34	9	84
74	Principles of selective transport: coat complexes hold the key. <i>Trends in Cell Biology</i> , 1996 , 6, 315-20	18.3	80
73	The mammalian guanine nucleotide exchange factor mSec12 is essential for activation of the Sar1 GTPase directing endoplasmic reticulum export. <i>Traffic</i> , 2001 , 2, 465-75	5.7	79
72	Modulation of the maladaptive stress response to manage diseases of protein folding. <i>PLoS Biology</i> , 2014 , 12, e1001998	9.7	70
71	The proteostasis boundary in misfolding diseases of membrane traffic. FEBS Letters, 2009, 583, 2639-46	5 3.8	70
70	Chemical and biological folding contribute to temperature-sensitive DeltaF508 CFTR trafficking. <i>Traffic</i> , 2008 , 9, 1878-93	5.7	69
69	The glycoprotein that is transported between successive compartments of the Golgi in a cell-free system resides in stacks of cisternae. <i>Cell</i> , 1984 , 39, 511-24	56.2	69
68	Structural design of cage and coat scaffolds that direct membrane traffic. <i>Current Opinion in Structural Biology</i> , 2007 , 17, 221-8	8.1	67
67	Emergent properties of proteostasis in managing cystic fibrosis. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	63
66	Histone deacetylase inhibitor (HDACi) suberoylanilide hydroxamic acid (SAHA)-mediated correction of 1 -antitrypsin deficiency. <i>Journal of Biological Chemistry</i> , 2012 , 287, 38265-78	5.4	59
65	Metalloendoprotease cleavage triggers gelsolin amyloidogenesis. <i>EMBO Journal</i> , 2005 , 24, 4124-32	13	53
64	Traffic pattern of cystic fibrosis transmembrane regulator through the early exocytic pathway. <i>Traffic</i> , 2000 , 1, 852-70	5.7	51

63	Molecular dissection of guanine nucleotide dissociation inhibitor function in vivo. Rab-independent binding to membranes and role of Rab recycling factors. <i>Journal of Biological Chemistry</i> , 1999 , 274, 1480	ე§: 4 7	49
62	Metformin Targets Mitochondrial Electron Transport to Reduce Air-Pollution-Induced Thrombosis. <i>Cell Metabolism</i> , 2019 , 29, 335-347.e5	24.6	47
61	The Hsp90 chaperone complex regulates GDI-dependent Rab recycling. <i>Molecular Biology of the Cell</i> , 2006 , 17, 3494-507	3.5	46
60	A chaperone trap contributes to the onset of cystic fibrosis. <i>PLoS ONE</i> , 2012 , 7, e37682	3.7	44
59	Malfolded protein structure and proteostasis in lung diseases. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 96-103	10.2	43
58	Geranylgeranyl switching regulates GDI-Rab GTPase recycling. <i>Structure</i> , 2003 , 11, 347-57	5.2	42
57	The Intersection of Aging Biology and the Pathobiology of Lung Diseases: A Joint NHLBI/NIA Workshop. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1492-150	o6·4	40
56	Cell Biology. The proteome in balance. <i>Science</i> , 2010 , 329, 766-7	33.3	40
55	An evolutionary perspective on eukaryotic membrane trafficking. <i>Advances in Experimental Medicine and Biology</i> , 2007 , 607, 73-83	3.6	39
54	Histone deacetylase inhibitors correct the cholesterol storage defect in most Niemann-Pick C1 mutant cells. <i>Journal of Lipid Research</i> , 2017 , 58, 695-708	6.3	38
53	Hallmarks of therapeutic management of the cystic fibrosis functional landscape. <i>Journal of Cystic Fibrosis</i> , 2015 , 14, 687-99	4.1	38
52	Di-acidic motifs in the membrane-distal C termini modulate the transport of angiotensin II receptors from the endoplasmic reticulum to the cell surface. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20525-35	5.4	35
51	Molecular Evolution of the Rab-Escort-Protein/Guanine-Nucleotide-Dissociation-Inhibitor Superfamily. <i>Molecular Biology of the Cell</i> , 2003 , 14, 3857-3867	3.5	35
50	The lysophospholipid acyltransferase antagonist CI-976 inhibits a late step in COPII vesicle budding. <i>Traffic</i> , 2008 , 9, 786-97	5.7	34
49	Quantitative Proteomics of Human Fibroblasts with I1061T Mutation in Niemann-Pick C1 (NPC1) Protein Provides Insights into the Disease Pathogenesis. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 1734-49	7.6	33
48	A new functional domain of guanine nucleotide dissociation inhibitor (alpha-GDI) involved in Rab recycling. <i>Traffic</i> , 2000 , 1, 270-81	5.7	33
47	Structural and functional analysis of the globular head domain of p115 provides insight into membrane tethering. <i>Journal of Molecular Biology</i> , 2009 , 391, 26-41	6.5	31
46	Selective transport of cargo between the endoplasmic reticulum and Golgi compartments. Histochemistry and Cell Biology, 1998, 109, 463-75	2.4	31

45	Expression and purification of mammalian Sarl. <i>Methods in Enzymology</i> , 1995 , 257, 49-53	1.7	30
44	Proteostasis: a new therapeutic paradigm for pulmonary disease. <i>Proceedings of the American Thoracic Society</i> , 2011 , 8, 189-95		29
43	Molecular role for the Rab binding platform of guanine nucleotide dissociation inhibitor in endoplasmic reticulum to Golgi transport. <i>Journal of Biological Chemistry</i> , 1998 , 273, 26931-8	5.4	29
42	FK506 binding protein 8 peptidylprolyl isomerase activity manages a late stage of cystic fibrosis transmembrane conductance regulator (CFTR) folding and stability. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21914-25	5.4	28
41	Expanding proteostasis by membrane trafficking networks. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013 , 5,	10.2	27
40	Emergent properties of proteostasis-COPII coupled systems in human health and disease. <i>Molecular Membrane Biology</i> , 2010 , 27, 385-97	3.4	27
39	The role of ARF1 and rab GTPases in polarization of the Golgi stack. <i>Traffic</i> , 2005 , 6, 803-19	5.7	26
38	CFTR Folding Consortium: methods available for studies of CFTR folding and correction. <i>Methods in Molecular Biology</i> , 2011 , 742, 335-53	1.4	26
37	Protein energetics in maturation of the early secretory pathway. <i>Current Opinion in Cell Biology</i> , 2007 , 19, 359-67	9	25
36	Molecular evolution of the Rab-escort-protein/guanine-nucleotide-dissociation-inhibitor superfamily. <i>Molecular Biology of the Cell</i> , 2003 , 14, 3857-67	3.5	24
35	Potential Agents for Treating Cystic Fibrosis: Cyclic Tetrapeptides that Restore Trafficking and Activity of #508-CFTR. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 703-707	4.3	23
34	Bridging Genomics to Phenomics at Atomic Resolution through Variation Spatial Profiling. <i>Cell Reports</i> , 2018 , 24, 2013-2028.e6	10.6	21
33	Quantitative proteomic profiling reveals differentially regulated proteins in cystic fibrosis cells. Journal of Proteome Research, 2014 , 13, 4668-75	5.6	20
32	Quantitative Analysis of the Proteome Response to the Histone Deacetylase Inhibitor (HDACi) Vorinostat in Niemann-Pick Type C1 disease. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 1938-1957	7.6	18
31	A Proteomic Variant Approach (ProVarA) for Personalized Medicine of Inherited and Somatic Disease. <i>Journal of Molecular Biology</i> , 2018 , 430, 2951-2973	6.5	16
30	Proteostasis strategies for restoring alpha1-antitrypsin deficiency. <i>Proceedings of the American Thoracic Society</i> , 2010 , 7, 415-22		16
29	HDAC inhibitors rescue multiple disease-causing CFTR variants. <i>Human Molecular Genetics</i> , 2019 , 28, 1982-2000	5.6	16
28	Silencing of the Hsp70-specific nucleotide-exchange factor BAG3 corrects the F508del-CFTR variant by restoring autophagy. <i>Journal of Biological Chemistry</i> , 2018 , 293, 13682-13695	5.4	15

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27	Diffuse lung disease in children: summary of a scientific conference. <i>Pediatric Pulmonology</i> , 2014 , 49, 400-9	3.5	15
26	Correcting the F508del-CFTR variant by modulating eukaryotic translation initiation factor 3-mediated translation initiation. <i>Journal of Biological Chemistry</i> , 2018 , 293, 13477-13495	5.4	14
25	Application of mass spectrometry to study proteomics and interactomics in cystic fibrosis. <i>Methods in Molecular Biology</i> , 2011 , 742, 227-47	1.4	12
24	Quantitating the epigenetic transformation contributing to cholesterol homeostasis using Gaussian process. <i>Nature Communications</i> , 2019 , 10, 5052	17.4	11
23	Perspectives: drug delivery. Regulating export of ER cargo. <i>Science</i> , 2000 , 287, 816-7	33.3	10
22	Individualized management of genetic diversity in Niemann-Pick C1 through modulation of the Hsp70 chaperone system. <i>Human Molecular Genetics</i> , 2020 , 29, 1-19	5.6	10
21	Correction of Niemann-Pick type C1 trafficking and activity with the histone deacetylase inhibitor valproic acid. <i>Journal of Biological Chemistry</i> , 2020 , 295, 8017-8035	5.4	9
20	Management of Hsp90-Dependent Protein Folding by Small Molecules Targeting the Aha1 Co-Chaperone. <i>Cell Chemical Biology</i> , 2020 , 27, 292-305.e6	8.2	8
19	Vesicle traffic in vitro. <i>Cell</i> , 2004 , 116, S17-9, 2 p following S19	56.2	7
18	Unbiased Profiling of the Human Proinsulin Biosynthetic Interaction Network Reveals a Role for Peroxiredoxin 4 in Proinsulin Folding. <i>Diabetes</i> , 2020 , 69, 1723-1734	0.9	6
17	Measuring the Effect of Histone Deacetylase Inhibitors (HDACi) on the Secretion and Activity of Alpha-1 Antitrypsin. <i>Methods in Molecular Biology</i> , 2017 , 1639, 185-193	1.4	6
16	A new frontier in pharmacology: the endoplasmic reticulum as a regulated export pathway in health and disease. <i>Expert Opinion on Therapeutic Targets</i> , 2001 , 5, 165-76		6
15	Proteostatic hotspots in amyloid fibrils protect us from neurodegeneration. <i>Developmental Cell</i> , 2015 , 32, 659-60	10.2	4
14	Recombinant production in baculovirus-infected insect cells and purification of the mammalian Sec13/Sec31 complex. <i>Methods in Enzymology</i> , 2005 , 404, 58-66	1.7	4
13	Introduction to section II: omics in the biology of cystic fibrosis. <i>Methods in Molecular Biology</i> , 2011 , 742, 189-91	1.4	2
12	HDAC Inhibitors Rescue Multiple Disease-Causing CFTR Variants		2
11	Correction of Niemann-Pick type C1 disease with the histone deacetylase inhibitor valproic acid		2
10	Spatial covariance analysis reveals the residue-by-residue thermodynamic contribution of variation to the CFTR fold <i>Communications Biology</i> , 2022 , 5, 356	6.7	2

9	Triangulating variation in the population to define mechanisms for precision management of genetic disease. <i>Structure</i> , 2022 ,	5.2	2
8	Folding Biology of Cystic Fibrosis: A Consortium-Based Approach to Disease 2010 , 425-452		1
7	Purification and properties of mammalian Sec23/24 from insect cells. <i>Methods in Enzymology</i> , 2005 , 404, 66-74	1.7	1
6	Proteostasis and Energetics as Proteome Hallmarks of Aging and Influenza Challenge in Pulmonary Dis	ease	1
5	Molecular and Structural Organization of Rab GTPase Trafficking Networks 2003, 689-693		1
4	Managing the Adaptive Proteostatic Landscape: Restoring Resilience in Alpha-1 Antitrypsin Deficiency. <i>Respiratory Medicine</i> , 2016 , 53-83	0.2	О
3	Leveraging Population Genomics for Individualized Correction of the Hallmarks of Alpha-1 Antitrypsin Deficiency. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2020 , 7, 224-246	2.7	O
2	GTPASES: MOLECULAR SENSORS REGULATING BI-DIRECTIONAL TRANSPORT BETWEEN THE ENDOPLASMIC RETICULUM AND THE GOLGI. <i>Biochemical Society Transactions</i> , 1996 , 24, 585S-585S	5.1	
1	The Wolfe cycle of carbon dioxide reduction to methane revisited and the Ralph Stoner Wolfe legacy at 100 years. <i>Advances in Microbial Physiology</i> , 2021 , 79, 1-23	4.4	