

Martin R Pool

List of Publications by Citations

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

27
papers

1,770
citations

19
h-index

42
g-index

88
ext. papers

2,006
ext. citations

14.1
avg, IF

4.57
L-index

#	Paper	IF	Citations
27	Structure of the signal recognition particle interacting with the elongation-arrested ribosome. <i>Nature</i> , 2004 , 427, 808-14	50.4	328
26	Following the signal sequence from ribosomal tunnel exit to signal recognition particle. <i>Nature</i> , 2006 , 444, 507-11	50.4	162
25	Distinct modes of signal recognition particle interaction with the ribosome. <i>Science</i> , 2002 , 297, 1345-8	33.3	160
24	N-terminal acetylation inhibits protein targeting to the endoplasmic reticulum. <i>PLoS Biology</i> , 2011 , 9, e1001073	9.7	128
23	Co-translational targeting and translocation of proteins to the endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 2392-402	4.9	127
22	Signal recognition particle receptor exposes the ribosomal translocon binding site. <i>Science</i> , 2006 , 312, 745-7	33.3	120
21	Signal recognition particle mediates post-translational targeting in eukaryotes. <i>EMBO Journal</i> , 2004 , 23, 2755-64	13	104
20	Signal recognition particles in chloroplasts, bacteria, yeast and mammals (review). <i>Molecular Membrane Biology</i> , 2005 , 22, 3-15	3.4	92
19	Scp160p, an RNA-binding, polysome-associated protein, localizes to the endoplasmic reticulum of <i>Saccharomyces cerevisiae</i> in a microtubule-dependent manner. <i>Journal of Biological Chemistry</i> , 2001 , 276, 15905-12	5.4	87
18	Eeyarestatin I inhibits Sec61-mediated protein translocation at the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2009 , 122, 4393-400	5.3	74
17	SRbeta coordinates signal sequence release from SRP with ribosome binding to the translocon. <i>EMBO Journal</i> , 2001 , 20, 2338-47	13	68
16	The ribosome regulates the GTPase of the beta-subunit of the signal recognition particle receptor. <i>Journal of Cell Biology</i> , 1999 , 146, 723-30	7.3	47
15	Arabidopsis 22-kilodalton peroxisomal membrane protein. Nucleotide sequence analysis and biochemical characterization. <i>Plant Physiology</i> , 1999 , 120, 309-20	6.6	45
14	A trans-membrane segment inside the ribosome exit tunnel triggers RAMP4 recruitment to the Sec61p translocase. <i>Journal of Cell Biology</i> , 2009 , 185, 889-902	7.3	40
13	Mammalian SRP receptor switches the Sec61 translocase from Sec62 to SRP-dependent translocation. <i>Nature Communications</i> , 2015 , 6, 10133	17.4	31
12	Polytopic membrane protein folding at L17 in the ribosome tunnel initiates cyclical changes at the translocon. <i>Journal of Cell Biology</i> , 2011 , 195, 55-70	7.3	30
11	Signal recognition particle Alu domain occupies a defined site at the ribosomal subunit interface upon signal sequence recognition. <i>Biochemistry</i> , 2004 , 43, 107-17	3.2	28

10	Analysis of the interplay of protein biogenesis factors at the ribosome exit site reveals new role for NAC. <i>Journal of Cell Biology</i> , 2015 , 210, 287-301	7.3	22
9	Characterization of intermediates in the process of plant peroxisomal protein import. <i>EMBO Journal</i> , 1998 , 17, 6854-62	13	21
8	NADPH is a specific inhibitor of protein import into glyoxysomes. <i>Plant Journal</i> , 1998 , 15, 1-14	6.9	17
7	Access to ribosomal protein Rpl25p by the signal recognition particle is required for efficient cotranslational translocation. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2876-84	3.5	12
6	Protein targeting and translocation; a comparative survey. <i>Biological Reviews</i> , 1996 , 71, 637-702	13.5	8
5	Structure and Switch Cycle of SRFs Ancestral Eukaryotic GTPase Associated with Secretory Membranes. <i>Structure</i> , 2015 , 23, 1838-1847	5.2	7
4	Membrane protein biogenesis at the ER: the highways and byways. <i>FEBS Journal</i> , 2021 ,	5.7	5
3	Cell biology: Sort of unexpected. <i>Nature</i> , 2016 , 540, 45-46	50.4	5
2	The perplexing PEXEL protein secretory pathway. <i>Nature Microbiology</i> , 2018 , 3, 969-970	26.6	1
1	Interplay between signal sequence recognition and N-terminal protein modification at the ribosome exit site. <i>FASEB Journal</i> , 2012 , 26, 542.2	0.9	