Robert J Keenan

List of Publications by Year in Descending Order

35 papers	2,956 citations	24 h-index	39 g-index
39 ext. papers	3,479 ext. citations	17.9 avg, IF	5.04 L-index

#	Paper	IF	Citations
35	The mechanisms of integral membrane protein biogenesis. *Nature Reviews Molecular Cell Biology*, **2021**,	48.7	10
34	An ER translocon for multi-pass membrane protein biogenesis. *ELife*, **2020**, 9,	8.9	31
33	The architecture of EMC reveals a path for membrane protein insertion. *ELife*, **2020**, 9,	8.9	27
32	A structural perspective on tail-anchored protein biogenesis by the GET pathway. *Current Opinion in Structural Biology*, **2018**, 51, 195-202	8.1	20
31	The GET System Inserts the Tail-Anchored Protein, SYP72, into Endoplasmic Reticulum Membranes. *Plant Physiology*, **2017**, 173, 1137-1145	6.6	21
30	Tail-Anchored Protein Insertion by a Single Get1/2 Heterodimer. *Cell Reports*, **2017**, 20, 2287-2293	10.6	15
29	Msp1 Is a Membrane Protein Dislocase for Tail-Anchored Proteins. *Molecular Cell*, **2017**, 67, 194-202.e6	17.6	53
28	Identification of Oxa1 Homologs Operating in the Eukaryotic Endoplasmic Reticulum. *Cell Reports*, **2017**, 21, 3708-3716	10.6	66
27	Data publication with the structural biology data grid supports live analysis. *Nature Communications* , **2016**, 7, 10882	17.4	78
26	Ubiquilins Chaperone and Triage Mitochondrial Membrane Proteins for Degradation. *Molecular Cell*, **2016**, 63, 21-33	17.6	137
25	A dual fluorescent reporter for the investigation of methionine mistranslation in live cells. *Rna*, **2016**, 22, 467-76	5.8	11
24	Conformational Chaperones for Structural Studies of Membrane Proteins Using Antibody Phage Display with Nanodiscs. *Structure*, **2016**, 24, 300-9	5.2	35
23	Protein targeting. Structure of the Get3 targeting factor in complex with its membrane protein cargo. *Science*, **2015**, 347, 1152-5	33.3	74
22	Fission yeast profilin is tailored to facilitate actin assembly by the cytokinesis formin Cdc12. *Molecular Biology of the Cell*, **2015**, 26, 283-93	3.5	5
21	A YidC-like Protein in the Archaeal Plasma Membrane. *Structure*, **2015**, 23, 1715-1724	5.2	43
20	A conserved archaeal pathway for tail-anchored membrane protein insertion. *Traffic*, **2011**, 12, 1119-23	5.7	12
19	Tail-anchored membrane protein insertion into the endoplasmic reticulum. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 787-98	48.7	199

18	Noncytotoxic DsRed derivatives for whole-cell labeling. *Methods in Molecular Biology*, **2011**, 699, 355-70	1.4	11
17	The mechanism of membrane-associated steps in tail-anchored protein insertion. *Nature*, **2011**, 477, 61-6	50.4	109
16	A ribosome-associating factor chaperones tail-anchored membrane proteins. *Nature*, **2010**, 466, 1120-4	50.4	204
15	Chromophore formation in DsRed occurs by a branched pathway. *Journal of the American Chemical Society*, **2010**, 132, 8496-505	16.4	53
14	Noncytotoxic orange and red/green derivatives of DsRed-Express2 for whole-cell labeling. *BMC Biotechnology*, **2009**, 9, 32	3.5	24
13	A rapidly maturing far-red derivative of DsRed-Express2 for whole-cell labeling. *Biochemistry*, **2009**, 48, 8279-81	3.2	139
12	The structural basis of tail-anchored membrane protein recognition by Get3. *Nature*, **2009**, 461, 361-6	50.4	126
11	A noncytotoxic DsRed variant for whole-cell labeling. *Nature Methods*, **2008**, 5, 955-7	21.6	133
10	Spectral diversity of fluorescent proteins from the anthozoan Corynactis californica. *Marine Biotechnology*, **2008**, 10, 328-42	3.4	15
9	The molecular basis of glyphosate resistance by an optimized microbial acetyltransferase. *Journal of Biological Chemistry*, **2007**, 282, 11446-55	5.4	50
8	Structural rearrangements near the chromophore influence the maturation speed and brightness of DsRed variants. *Protein Engineering, Design and Selection*, **2007**, 20, 525-34	1.9	43
7	Laboratory-directed protein evolution. *Microbiology and Molecular Biology Reviews*, **2005**, 69, 373-92	13.2	147
6	DNA shuffling as a tool for protein crystallization. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8887-92	11.5	21
5	The signal recognition particle. *Annual Review of Biochemistry*, **2001**, 70, 755-75	29.1	485
4	Structure of the phylogenetically most conserved domain of SRP RNA. *Rna*, **1999**, 5, 1419-29	5.8	42
3	Functional changes in the structure of the SRP GTPase on binding GDP and Mg2+GDP. *Nature Structural Biology*, **1999**, 6, 793-801		72
2	Crystal structure of the signal sequence binding subunit of the signal recognition particle. *Cell*, **1998**, 94, 181-91	56.2	244
1	Structure of the conserved GTPase domain of the signal recognition particle. *Nature*, **1997**, 385, 361-4	50.4	201