

Robert J Keenan

List of Publications by Citations

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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 signal recognition particle. <i>Annual Review of Biochemistry</i> , 2001 , 70, 755-75	29.1	485
34	Crystal structure of the signal sequence binding subunit of the signal recognition particle. <i>Cell</i> , 1998 , 94, 181-91	56.2	244
33	A ribosome-associating factor chaperones tail-anchored membrane proteins. <i>Nature</i> , 2010 , 466, 1120-4	50.4	204
32	Structure of the conserved GTPase domain of the signal recognition particle. <i>Nature</i> , 1997 , 385, 361-4	50.4	201
31	Tail-anchored membrane protein insertion into the endoplasmic reticulum. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 787-98	48.7	199
30	Laboratory-directed protein evolution. <i>Microbiology and Molecular Biology Reviews</i> , 2005 , 69, 373-92	13.2	147
29	A rapidly maturing far-red derivative of DsRed-Express2 for whole-cell labeling. <i>Biochemistry</i> , 2009 , 48, 8279-81	3.2	139
28	Ubiquilins Chaperone and Triage Mitochondrial Membrane Proteins for Degradation. <i>Molecular Cell</i> , 2016 , 63, 21-33	17.6	137
27	A noncytotoxic DsRed variant for whole-cell labeling. <i>Nature Methods</i> , 2008 , 5, 955-7	21.6	133
26	The structural basis of tail-anchored membrane protein recognition by Get3. <i>Nature</i> , 2009 , 461, 361-6	50.4	126
25	The mechanism of membrane-associated steps in tail-anchored protein insertion. <i>Nature</i> , 2011 , 477, 61-6	50.4	109
24	Data publication with the structural biology data grid supports live analysis. <i>Nature Communications</i> , 2016 , 7, 10882	17.4	78
23	Protein targeting. Structure of the Get3 targeting factor in complex with its membrane protein cargo. <i>Science</i> , 2015 , 347, 1152-5	33.3	74
22	Functional changes in the structure of the SRP GTPase on binding GDP and Mg ²⁺ +GDP. <i>Nature Structural Biology</i> , 1999 , 6, 793-801		72
21	Identification of Oxa1 Homologs Operating in the Eukaryotic Endoplasmic Reticulum. <i>Cell Reports</i> , 2017 , 21, 3708-3716	10.6	66
20	Msp1 Is a Membrane Protein Dislocase for Tail-Anchored Proteins. <i>Molecular Cell</i> , 2017 , 67, 194-202.e6	17.6	53
19	Chromophore formation in DsRed occurs by a branched pathway. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8496-505	16.4	53

18	The molecular basis of glyphosate resistance by an optimized microbial acetyltransferase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11446-55	5.4	50
17	A YidC-like Protein in the Archaeal Plasma Membrane. <i>Structure</i> , 2015 , 23, 1715-1724	5.2	43
16	Structural rearrangements near the chromophore influence the maturation speed and brightness of DsRed variants. <i>Protein Engineering, Design and Selection</i> , 2007 , 20, 525-34	1.9	43
15	Structure of the phylogenetically most conserved domain of SRP RNA. <i>Rna</i> , 1999 , 5, 1419-29	5.8	42
14	Conformational Chaperones for Structural Studies of Membrane Proteins Using Antibody Phage Display with Nanodiscs. <i>Structure</i> , 2016 , 24, 300-9	5.2	35
13	An ER translocon for multi-pass membrane protein biogenesis. <i>ELife</i> , 2020 , 9,	8.9	31
12	The architecture of EMC reveals a path for membrane protein insertion. <i>ELife</i> , 2020 , 9,	8.9	27
11	Noncytotoxic orange and red/green derivatives of DsRed-Express2 for whole-cell labeling. <i>BMC Biotechnology</i> , 2009 , 9, 32	3.5	24
10	The GET System Inserts the Tail-Anchored Protein, SYP72, into Endoplasmic Reticulum Membranes. <i>Plant Physiology</i> , 2017 , 173, 1137-1145	6.6	21
9	DNA shuffling as a tool for protein crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 8887-92	11.5	21
8	A structural perspective on tail-anchored protein biogenesis by the GET pathway. <i>Current Opinion in Structural Biology</i> , 2018 , 51, 195-202	8.1	20
7	Tail-Anchored Protein Insertion by a Single Get1/2 Heterodimer. <i>Cell Reports</i> , 2017 , 20, 2287-2293	10.6	15
6	Spectral diversity of fluorescent proteins from the anthozoan <i>Corynactis californica</i> . <i>Marine Biotechnology</i> , 2008 , 10, 328-42	3.4	15
5	A conserved archaeal pathway for tail-anchored membrane protein insertion. <i>Traffic</i> , 2011 , 12, 1119-23	5.7	12
4	A dual fluorescent reporter for the investigation of methionine mistranslation in live cells. <i>Rna</i> , 2016 , 22, 467-76	5.8	11
3	Noncytotoxic DsRed derivatives for whole-cell labeling. <i>Methods in Molecular Biology</i> , 2011 , 699, 355-70	1.4	11
2	The mechanisms of integral membrane protein biogenesis. <i>Nature Reviews Molecular Cell Biology</i> , 2021 ,	48.7	10
1	Fission yeast profilin is tailored to facilitate actin assembly by the cytokinesis formin Cdc12. <i>Molecular Biology of the Cell</i> , 2015 , 26, 283-93	3.5	5

