

Robert J Keenan

List of Publications by Year in descending order

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36
papers

3,869
citations

218381

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344852

36
g-index

39
all docs

39
docs citations

39
times ranked

5820
citing authors

#	ARTICLE	IF	CITATIONS
1	The Signal Recognition Particle. Annual Review of Biochemistry, 2001, 70, 755-775.	5.0	541
2	Crystal Structure of the Signal Sequence Binding Subunit of the Signal Recognition Particle. Cell, 1998, 94, 181-191.	13.5	277
3	Tail-anchored membrane protein insertion into the endoplasmic reticulum. Nature Reviews Molecular Cell Biology, 2011, 12, 787-798.	16.1	257
4	A ribosome-associating factor chaperones tail-anchored membrane proteins. Nature, 2010, 466, 1120-1124.	13.7	246
5	Structure of the conserved GTPase domain of the signal recognition particle. Nature, 1997, 385, 361-364.	13.7	228
6	Ubiquilins Chaperone and Triage Mitochondrial Membrane Proteins for Degradation. Molecular Cell, 2016, 63, 21-33.	4.5	203
7	A noncytotoxic DsRed variant for whole-cell labeling. Nature Methods, 2008, 5, 955-957.	9.0	171
8	A Rapidly Maturing Far-Red Derivative of DsRed-Express2 for Whole-Cell Labeling. Biochemistry, 2009, 48, 8279-8281.	1.2	167
9	The structural basis of tail-anchored membrane protein recognition by Get3. Nature, 2009, 461, 361-366.	13.7	162
10	Laboratory-Directed Protein Evolution. Microbiology and Molecular Biology Reviews, 2005, 69, 373-392.	2.9	161
11	The mechanism of membrane-associated steps in tail-anchored protein insertion. Nature, 2011, 477, 61-66.	13.7	144
12	Data publication with the structural biology data grid supports live analysis. Nature Communications, 2016, 7, 10882.	5.8	113
13	Identification of Oxa1 Homologs Operating in the Eukaryotic Endoplasmic Reticulum. Cell Reports, 2017, 21, 3708-3716.	2.9	107
14	Structure of the Get3 targeting factor in complex with its membrane protein cargo. Science, 2015, 347, 1152-1155.	6.0	100
15	The mechanisms of integral membrane protein biogenesis. Nature Reviews Molecular Cell Biology, 2022, 23, 107-124.	16.1	100
16	Msp1 Is a Membrane Protein Dislocase for Tail-Anchored Proteins. Molecular Cell, 2017, 67, 194-202.e6.	4.5	90
17	An ER translocon for multi-pass membrane protein biogenesis. ELife, 2020, 9, .	2.8	85
18	Functional changes in the structure of the SRP GTPase on binding GDP and Mg2+GDP. Nature Structural Biology, 1999, 6, 793-801.	9.7	83

#	ARTICLE	IF	CITATIONS
19	The architecture of EMC reveals a path for membrane protein insertion. <i>ELife</i> , 2020, 9, .	2.8	81
20	Chromophore Formation in DsRed Occurs by a Branched Pathway. <i>Journal of the American Chemical Society</i> , 2010, 132, 8496-8505.	6.6	70
21	A YidC-like Protein in the Archaeal Plasma Membrane. <i>Structure</i> , 2015, 23, 1715-1724.	1.6	65
22	The Molecular Basis of Glyphosate Resistance by an Optimized Microbial Acetyltransferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 11446-11455.	1.6	59
23	Conformational Chaperones for Structural Studies of Membrane Proteins Using Antibody Phage Display with Nanodiscs. <i>Structure</i> , 2016, 24, 300-309.	1.6	57
24	Structural rearrangements near the chromophore influence the maturation speed and brightness of DsRed variants. <i>Protein Engineering, Design and Selection</i> , 2007, 20, 525-534.	1.0	49
25	Structure of the phylogenetically most conserved domain of SRP RNA. <i>Rna</i> , 1999, 5, 1419-1429.	1.6	47
26	A structural perspective on tail-anchored protein biogenesis by the GET pathway. <i>Current Opinion in Structural Biology</i> , 2018, 51, 195-202.	2.6	31
27	Noncytotoxic orange and red/green derivatives of DsRed-Express2 for whole-cell labeling. <i>BMC Biotechnology</i> , 2009, 9, 32.	1.7	28
28	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, 8887-8892.	3.3	26
29	The GET System Inserts the Tail-Anchored Protein, SYP72, into Endoplasmic Reticulum Membranes. <i>Plant Physiology</i> , 2017, 173, 1137-1145.	2.3	24
30	Tail-Anchored Protein Insertion by a Single Get1/2 Heterodimer. <i>Cell Reports</i> , 2017, 20, 2287-2293.	2.9	24
31	Spectral Diversity of Fluorescent Proteins from the Anthozoan <i>Corynactis californica</i> . <i>Marine Biotechnology</i> , 2008, 10, 328-342.	1.1	20
32	Noncytotoxic DsRed Derivatives for Whole-Cell Labeling. <i>Methods in Molecular Biology</i> , 2011, 699, 355-370.	0.4	15
33	A dual fluorescent reporter for the investigation of methionine mistranslation in live cells. <i>Rna</i> , 2016, 22, 467-476.	1.6	14
34	A Conserved Archaeal Pathway for Tail-Anchored Membrane Protein Insertion. <i>Traffic</i> , 2011, 12, 1119-1123.	1.3	13
35	Fission yeast profilin is tailored to facilitate actin assembly by the cytokinesis formin Cdc12. <i>Molecular Biology of the Cell</i> , 2015, 26, 283-293.	0.9	9
36	A noncytotoxic DsRed variant for whole-cell labeling. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1