Daniel O Daley

List of Publications by Year
in descending order

62 papers	2,611 citations	218677 26 h-index	197818 49 g-index
64 all docs	64 docs citations	64 times ranked	3164 citing authors

#	Article	IF	Citations
1	Global Topology Analysis of the <i>Escherichia coli</i> Inner Membrane Proteome. Science, 2005, 308, 1321-1323.	12.6	455
2	Repeated, recent and diverse transfers of a mitochondrial gene to the nucleus in flowering plants. Nature, 2000, 408, 354-357.	27.8	210
3	Protein Complexes of the Escherichia coli Cell Envelope*. Journal of Biological Chemistry, 2005, 280, 34409-34419.	3.4	183
4	A scalable, GFP-based pipeline for membrane protein overexpression screening and purification. Protein Science, 2005, 14, 2011-2017.	7.6	121
5	Genes for Two Mitochondrial Ribosomal Proteins in Flowering Plants Are Derived from Their Chloroplast or Cytosolic Counterparts. Plant Cell, 2002, 14, 931-943.	6.6	108
6	Experimentally based topology models for <i>E. coli</i> inner membrane proteins. Protein Science, 2004, 13, 937-945.	7.6	90
7	Increasing the permeability of Escherichia coli using MAC13243. Scientific Reports, 2017, 7, 17629.	3.3	85
8	Improved designs for pET expression plasmids increase protein production yield in Escherichia coli. Communications Biology, 2020, 3, 214.	4.4	80
9	Disassembly of the divisome in <scp><i>E</i></scp><i>scherichia coli</i>: evidence that <scp>FtsZ</scp> dissociates before compartmentalization. Molecular Microbiology, 2014, 92, 1-9.	2.5	70
10	Systematic Analysis of Native Membrane Protein Complexes in<i>Escherichia coli</i>. Journal of Proteome Research, 2011, 10, 1848-1859.	3.7	67
11	Intracellular gene transfer: Reduced hydrophobicity facilitates gene transfer for subunit 2 of cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10510-10515.	7.1	63
12	Why genes persist in organelle genomes. Genome Biology, 2005, 6, 110.	9.6	57
13	Gene transfer from mitochondrion to nucleus: novel mechanisms for gene activation from Cox2. Plant Journal, 2002, 30, 11-21.	5.7	51
14	Experimentally Constrained Topology Models for 51,208 Bacterial Inner Membrane Proteins. Journal of Molecular Biology, 2005, 352, 489-494.	4.2	51
15	Assembly of the Cytochrome bo3 Complex. Journal of Molecular Biology, 2007, 371, 765-773.	4.2	47
16	YfgM Is an Ancillary Subunit of the SecYEG Translocon in Escherichia coli. Journal of Biological Chemistry, 2014, 289, 19089-19097.	3.4	47
17	The assembly of membrane proteins into complexes. Current Opinion in Structural Biology, 2008, 18, 420-424.	5.7	46
18	Enhanced Protein Production in <i>Escherichia coli</i> by Optimization of Cloning Scars at the Vectorâ€“Coding Sequence Junction. ACS Synthetic Biology, 2015, 4, 959-965.	3.8	46

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19	Coordinated disassembly of the divisome complex in <i>Escherichia coli</i>. Molecular Microbiology, 2016, 101, 425-438.	2.5	42
20	Spatial separation of FtsZ and FtsN during cell division. Molecular Microbiology, 2018, 107, 387-401.	2.5	41
21	Antiparallel Dimers of the Small Multidrug Resistance Protein EmrE Are More Stable Than Parallel Dimers. Journal of Biological Chemistry, 2012, 287, 26052-26059.	3.4	39
22	Membrane protein structural biology â€“ How far can the bugs take us? (Review). Molecular Membrane Biology, 2007, 24, 329-332.	2.0	37
23	Improved production of membrane proteins in <i>Escherichia coli</i> by selective codon substitutions. FEBS Letters, 2013, 587, 2352-2358.	2.8	34
24	Cellâ€free expression profiling of <i>E. coli</i> inner membrane proteins. Proteomics, 2010, 10, 1762-1779.	2.2	32
25	FtsZ does not initiate membrane constriction at the onset of division. Scientific Reports, 2016, 6, 33138.	3.3	32
26	The outer mitochondrial membrane in higher plants. Trends in Plant Science, 2013, 18, 207-217.	8.8	31
27	Exploring the inner membrane proteome of Escherichia coli: which proteins are eluding detection and why?. Trends in Microbiology, 2009, 17, 444-449.	7.7	30
28	The bacterial divisome: more than a ring?. Current Genetics, 2017, 63, 161-164.	1.7	26
29	TARSyn: Tunable Antibiotic Resistance Devices Enabling Bacterial Synthetic Evolution and Protein Production. ACS Synthetic Biology, 2018, 7, 432-442.	3.8	26
30	Increased production of periplasmic proteins in Escherichia coli by directed evolution of the translation initiation region. Microbial Cell Factories, 2020, 19, 85.	4.0	25
31	Manipulating the genetic code for membrane protein production: What have we learnt so far?. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 1091-1096.	2.6	24
32	Versatile in vitro system to study translocation and functional integration of bacterial outer membrane proteins. Nature Communications, 2014, 5, 5396.	12.8	24
33	The <i>Escherichia coli</i> Envelope Stress Sensor CpxA Responds to Changes in Lipid Bilayer Properties. Biochemistry, 2015, 54, 3670-3676.	2.5	23
34	Why Is the GMN Motif Conserved in the CorA/Mrs2/Alr1 Superfamily of Magnesium Transport Proteins?. Biochemistry, 2013, 52, 4842-4847.	2.5	20
35	TheEscherichia coliCell Division Protein ZipA Forms Homodimers Prior to Association with FtsZ. Biochemistry, 2012, 51, 1407-1415.	2.5	19
36	Trimeric microsomal glutathione transferase 2 displays one third of the sites reactivity. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1365-1371.	2.3	19

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37	A reference map of the membrane proteome of <i>Enterococcus faecalis</i>. Proteomics, 2011, 11, 3935-3941.	2.2	17
38	Adaptations Required for Mitochondrial Import following Mitochondrial to Nucleus Gene Transfer of Ribosomal Protein S10. Plant Physiology, 2005, 138, 2134-2144.	4.8	16
39	Assembly dynamics of FtsZ and DamX during infection-related filamentation and division in uropathogenic E. coli. Nature Communications, 2022, 13, .	12.8	16
40	Respiratory gene expression in soybean cotyledons during post-germinative development. Plant Molecular Biology, 2003, 51, 745-755.	3.9	14
41	The Periplasmic Loop Provides Stability to the Open State of the CorA Magnesium Channel. Journal of Biological Chemistry, 2012, 287, 27547-27555.	3.4	14
42	Identification of Putative Substrates for the Periplasmic Chaperone YfgM in Escherichia coli Using Quantitative Proteomics. Molecular and Cellular Proteomics, 2015, 14, 216-226.	3.8	14
43	Super-resolution images of peptidoglycan remodelling enzymes at the division site of Escherichia coli. Current Genetics, 2019, 65, 99-101.	1.7	12
44	LyGo: A Platform for Rapid Screening of Lytic Polysaccharide Monooxygenase Production. ACS Synthetic Biology, 2021, 10, 897-906.	3.8	12
45	Sequential Closure of the Cytoplasm and Then the Periplasm during Cell Division in Escherichia coli. Journal of Bacteriology, 2012, 194, 584-586.	2.2	10
46	Heterologous overexpression of a monotopic glucosyltransferase (MGS) induces fatty acid remodeling in Escherichia coli membranes. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1862-1870.	2.6	10
47	Structural analysis of the O-antigen polysaccharide from Escherichia coli O188. Carbohydrate Research, 2020, 498, 108051.	2.3	10
48	Application of splitâ€green fluorescent protein for topology mapping membrane proteins in <i>Escherichia coli</i>. Protein Science, 2012, 21, 1571-1576.	7.6	9
49	An OregonGreen488-labelled d-amino acid for visualizing peptidoglycan by super-resolution STED nanoscopy. Microbiology (United Kingdom), 2020, 166, 1129-1135.	1.8	7
50	Estimating Zâ€ring radius and contraction in dividing <i>Escherichia coli</i>. Molecular Microbiology, 2010, 76, 151-158.	2.5	6
51	Penicillinâ€binding protein 5 can form a homoâ€oligomeric complex in the inner membrane of <i>Escherichia coli</i>. Protein Science, 2011, 20, 1520-1529.	7.6	5
52	Heme incorporation into the cytochrome <i>bo</i>₃ occurs at a late stage of assembly. FEBS Letters, 2012, 586, 4197-4202.	2.8	5
53	Codon Optimizing for Increased Membrane Protein Production: A Minimalist Approach. Methods in Molecular Biology, 2016, 1432, 53-61.	0.9	5
54	A synbio approach for selection of highly expressed gene variants in Gram-positive bacteria. Microbial Cell Factories, 2018, 17, 37.	4.0	5

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55	Signal amplification of <i>araC pBAD</i> using a standardized translation initiation region. Synthetic Biology, 2022, 7, .	2.2	5
56	Identification of a Fragment-Based Scaffold that Inhibits the Glycosyltransferase WaaG from Escherichia coli. Antibiotics, 2016, 5, 10.	3.7	4
57	Antibiotic-Efficient Genetic Cassette for the TEM-1 Î^{2}-Lactamase That Improves Plasmid Performance. ACS Synthetic Biology, 2022, 11, 241-253.	3.8	4
58	A Lead-Based Fragment Library Screening of the Glycosyltransferase WaaG from Escherichia coli. Pharmaceuticals, 2022, 15, 209.	3.8	3
59	Selection of Highly Expressed Gene Variants in Escherichia coli Using Translationally Coupled Antibiotic Selection Markers. Methods in Molecular Biology, 2018, 1671, 259-268.	0.9	2
60	Implementing Novel Designs in pET Expression Plasmids that Increase Protein Production. Bio-protocol, 2021, 11, e4133.	0.4	2
61	Plant Mitochondrial Genome Evolution and Gene Transfer to the Nucleus. Advances in Photosynthesis and Respiration, 2004, , 107-120.	1.0	1
62	Interaction Analysis. , 0, , 295-315.		0